Report No. FAA-AFO-500-20



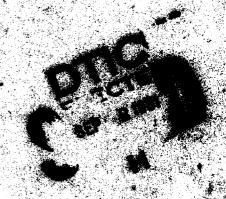
CORRENT
CORRENT
AIRCRAFT
SURVEY
MPPROACH SPEEDS

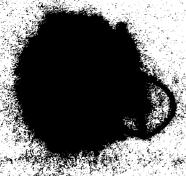
APPROACH SPEEDS MOSS WEIGHTS DIMENSIONS

Project No.

June 1980







Carry Carry Street Heat was

1.		Covernment Acces		Recipient's Catalog N	lo.		
L		D-A103					
扮	Title and Subtitle	(ul 80	13 35		
4	CURRENT AIRCRAFT SURVEY		6. 1	erforming Organizati	on Code		
	(Approach Speeds, Gross We	ights, and D	·	PO-560	·		
上	Author's)	The part of the control of the contr	0. P	erforming Organizati	on Report No. ·		
(10)	Frank/Parr		(14) F	AA-AF6-500-20			
8.	Performing Organization Name and Address DOT/FAA/FSNFO			Work Unit No. (TRAI	S)		
	Standards Development Bran	ch, AFO-560		0141 Contract or Grant No			
-	P. O. Box 25082		A	PS-360-79-17			
12	Oklahoma City, OK 73125			Typh of Report and P			
'*	Sponsoring Agency Name and Address		1 1 1	emorandum ker	St - si		
	DOT/FAA/AFO/FSNFO			11y 1980			
-	· · · · · · · · · · · · · · · · · · ·		14.	Sponsoring Agency C	ode/		
15.	Supplementary Notes						
Ι,							
16.	Abstract		·				
7	A survey of current aircra	ft was conduc	ted to determine i	the effect of	a revision		
	aircraft for instrument app 22 nations surveyed, 180 we aircraft, 31 changed from 6 from C to B, three from C to Ten aircraft types have set	ere not affect Category D to to A, and for	cted by the rule choose, one from D to ur from B to A.	mange. Of th B, one from	e affected		
	Ten difficient types mave se	ties whitch is	err ruto cao carego	1169.			
		* * * * *	* * * * *				
This document is disseminated under the sponsorship of the Department of Transportation in the interest of information exchange. The United States Government assumes no liability for its contents or use thereof.							
17.	Key Words		18. Distribution Statement		_		
	Approach categories						
	TERPs categories Approach minimums		Controlled by	MF0-560.			
	L - anav merremena						
19.	Security Classif. (of this report)	20. Security Clas	sif. (of this page)	21. No. of Pages	22, Price		
	Unclassified	Unclassi	Fied	34			
<u></u>		Juctass1		J-7			

Form DOT F 1700.7 (8-72)

Reproduction of completed page authorized $\ensuremath{\underline{\mathbf{1}}}$

412517

MX

INTRODUCTION

A revision to FAR 97.3 deleted the application of maximum landing gross weight from criteria which categorize aircraft for instrument approach. The effect of this recategorization was questioned. It was suggested that a comprehensive survey be conducted to identify the result of this rulemaking action.

Over 300 aircraft types were surveyed. Of these, 237 were listed as representative of the types currently in service or soon to be operational.

Aircraft of 22 nations were included as well as four internationally produced aircraft types.

SUMMARY

Of the 237 aircraft types and models surveyed, 180 were not affected by the change in criteria.

Changed from D to C were 31 aircraft. They were:

A-300	· L-1011-1	DC8-10/20
A-310	L-1011-200	DC8-30/40
CL-44	L-1011-600	DC8-50
AN-22	B707-100	DC8-62
IL-76	B707-320	B727-200
TU-114	B707-320B	B747-SP
VC10-1100	B707-420	B720
VC10-1150	C-141	В720В
Belfast	G141B	B+757
DC-10-10	C-5-A	B-767
	E-3	

One aircraft changed from D to B, the C-133.

One aircraft changed from D to A, the YC-14.

Changed from C to B were 17 aircraft. They were:

B777	Breguet 200	IL-18
L-749	Kawasaki C-1	HS-146
L-1049	F-28-100	V-950
DC-4	F-28-2000	AW-660
DC-6	F-28-6000	Comet
DC-7	,	Brittania

Three changed from C to A. They were:

NAI-QSTOL AN-72 L-1649

Four changed from B to A. They were:

DHC-7 IL-12 C-123 HP-Herald

Several aircraft types have series in the type which fall into two approach categories. They are:

Category C & D

HS-121, BAC-111, B-707, B747, L-1011, DC-8, DC-10, Gulfstream II/III

Category B & D

F-28

Learjet



Accession For

NTIS CRA&I
DTIC TAB
Unannounced
Justification

By
Distribution/
Availability Codes

Availability Codes

AIRCRAFT SURVEY

The attached listings of current aircraft have been sorted by:

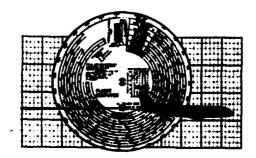
- a. Approach speed (1.3 x Vso at maximum landing weight).
- b. Maximum takeoff gross weight (all-up weight).
- c. Dimensions (wing span, length, tail height).

Data sources were current and back issues of Jane's All the World's Aircraft, Aviation Week and Space Technology, and Business and Commercial Aviation. Other sources were FAA Advisory Circulars, ICAO publications, and Airplane Flight Manuals. Listings were circulated to each FAA Region for comment and correction, and to three major manufacturers—Boeing, Douglas, and Lockheed.

When conflicts among sources developed, the latest data were used, or the information from the approved airplane flight manual was given priority. When priority could not be assigned, the larger values were used as being most conservative.

Since all the aircraft in the world could not be included in the listing, selections were aimed at ensuring that each class and type was represented. Most military aircraft were excluded because performance values, especially airspeeds, were unavailable.

The primary purpose of this listing is to provide information on aircraft approach categories, with the secondary purpose of providing information which may ease listing of aircraft for air traffic control spacing and for airports design (ICAO Airport Reference Coding Panel).



CURRENT AIRCRAFT ARRANGED BY AIRCRAFT TYPE

(Sources: Jane's All the World's Aircraft, Aviation Week and Space Technology, AC 150/5325-5B, and Flight Handbooks)

> Prepared by: AFO-560 July 1980

Aircraft	Appch Speed (Knots)	Wing Span (Feet)	Length (Feet)	Tail Height (Feet)	Meximum TOGN (Lbs)
Aeritalia G-222	109	94.5	79.2	38.5	58,422
Ahrens 404	98	66.0	52.8	17.5	17,000
AIDC-XC-2	86	81.7	65.9	25.3	25,000
Air Metal C-111	96	63.0	55.2	21.0	18,629
AJI Hustler	98	34.3	41.0	13.1	9,500
Antonov AN-10	126	124.8	121.4	32.2	121,500
Antonov AN-12	127	124.8	109.0	34.6	134,480
Antonov AN-14	52	72.1	37.5	15.2	7,935
Antonov AN-22	140*	211.3	189.6	41.2	551,160
Antonov AN-24	119	95.8	77.2	27.3	48,060
Antonov AN-26	121	95.8	78.1	28.1	52,920
Antonov AN-28	88	72.4	42.6	15.1	13,450
Antonov AN-30	112	96.4	80.1	27.3	51,040
Antonov AN-72	89*	84.8	87.1	27.0	63,935
AW-650 Argosy	123	115.0	89.8	29.3	93,000
AW-660 Argosy	113	115.0	89.1	27.0	97,000
A-300 Airbus	132	147.1	175.9	54.2	429,900
A-310 Airbus	125	144.0	154.9	51.9	288,000
BAC-111-200	129	88.5	93.5	24.5	79,000
BAC-111-300	128	88.5	93.5	24.5	88,500
BAC-111-400 `	137	88.6	93.5	24.6	88,500
BAC-111-475	135	93.5	93.5	24.5	98,500
BAC-111-500	144	93.5	107.0	24.5	104,500
Beech A-36	72	33.5	27.5	8.6	3,650
Beech B-99	96	45.9	44.6	14.3	10,900
Beech E-18	. 87	49.2	35.1	10.5	8,750
Beech E-90	98	50.3	35.5	14.2	10,100
Beech F-90	108	45.9	39.8	15.1	10,950
Beech 100	92	45.8	39.9	15.4	11,500
Beech 200	106	54.5	43.8	15.0	12,500
BN-2A Trislander	65	53.0	49.3	14.2	10,000
Boeing B-52	141*	185.0	157.6	40.8	488,000
Boeing E-3	137	145.9	153.0	42.0	325,000
Boeing E-4	152	195.7	231.8	64.7	830,000
Boeing YC-14	89	129.0	131.7	48.3	237,000
Boeing 377	105	141.3	110.3	38.3	145,800
Boeing 707-100	139	130.8	145.1	41.7	258,000
Boeing 707-200	145	130.8	145.1	41.7	258,000
Boeing 707-320	139	145.5	152.9	42.2	316,000
Boeing 707-320B	136	145.5	152.9	42.2	336,000
Boeing 707-420	132	145.5	152.9	42.2	316,000

	Appch	Wing		Tail	Maximum
	Speed	Span	Length	Height	TOGW
Aircraft	(Knots)	(Feet)	(Feet)	(Feet)	(Lbs)
Boeing 720	133	130.8	136.7	41.5	230,000
Boeing 720B	137	130.8	136.7	41.2	235,000
Boeing 727-100	125	107.9	133.2	34.3	170,000
Boeing 727-200	138	107.9	153.2	34.9	210,000
Boeing 737	137	93.0	94.0	37.2	116,000
Boeing 747	152	195.7	231.8	64.7	830,000
Boeing 747-SP	140	195.7	184.7	65.8	686,000
Boeing 747-SR	141	195.7	231.8	65.5	603,000
Boeing 757	135	124.5	154.6	44.5	220,000
Boeing 767	130	156.3	159.1	52.0	300,000
Boeing 777	145	155.0	181.5	44.8	380,000
Breguet FAL-10	104	42.9	45.5	15.1	18,740
Breguet FAL-20	107	53.5	56.3	17.4	28,660
Breguet FAL-50	113	61.9	60.8	22.9	38,480
Breguet 1150	130*	119.1	104.2	37.2	95,900
Breguet 200	117	104.8	134.4	37.3	154,323
Breguet 914S	. 59	76.7	77.9	31.7	26,500
Bristol Brittania	117	142.2	124.2	37.5	185,000
Canadair CL-44	123	142.3	136.8	38.6	210,500
Canadair CL-600	125	61.8	68.4	20.7	32,500
Casa C-207A Azor	102	91.2	68.4	25.4	36,400
Casa C-212 Aviocar	81	62.3	50.0	21.0	13,889
Cessna Citation I	108	47.1	43.5	14.3	11,850
Cessna Citation II.	108	51.6	47.2	14.8	13,300
Cessna Citation III	114	50.6	51.6	17.0	17,000
Cessna-150	55	33.3	24.1	8.5	1,670
Cessna-177	64	35.5	27.2	8.6	2,500
Cessna-402	. 95	44.1	36.3	11.4	6,850
Cessna-404	92 ,	46.3	39.5	13.3	8,450
Cessna-414	94	44.1	36.4	11.5	6,785
Cessna-421	96	41.1	36.4	12.9	7,500
Cessna-441	100	49.3	39.0	13.1	9,850
Concorde	162	83.8	203.8	40.0	408,000
Convair 240	107	91.8	74.7	26.9	41,790
Convair 340	104	105.6	79.2	28.2	47,000
Convair 440	106	105.3	79.2	28.2	49,100
Convair 580	107	105.3	81.5	29.1	54,600
Convair 880	155	120.0	129.3	36.3	193,000
Convair 990	156	120.0	139.2	39.5	253,000
Dell Comet 4C	108	114.9	118.0 80.7	29.5 26.2	162,000 44,000
Dell Desh 7	83 50	93.0 48.0	30.3	9.0	5,100
DeH DHC-2	77	95.6	72.6	31.8	28,500
DeH DHC-4	91	96.0	79.0	28.7	49,200
Deli DHC-5 Deli DHC-6	75	65.0	51.8	19.5	12,500
Del Dove-104	84	57.0	39.5	13.3	8,950
DeH Heron-114	85	71.5	45.5	15.6	13,500
Den Trident 121-2	137	95.0	114.8	27.0	135,300
Den Trident 121-2E	138	98.0	114.8	27.0	144,000
Del Trident 121-3	143	98.0	131.2	28.3	158,000
san treathe 191_2	*~~	<i>-</i>			, 400

O

	Appch Speed	Wing Span	Length	Tail Height (Feet)	Maximum TOGW (Lbs)
Aircraft	(Knots)	(Feet)	(Feet)	(recr)	<u> </u>
Dell Trident 121-3B	146	98.0	131.2	28.3	158,000
Dolphin IA-50	101	64.1	48.8	19.1	16,200
Dornier DO-28	74	51.0	37.5	12.8	8,853
Dornier LTA	74*	58.4	54.4	18.2	15,100
Embraer-110	92	50.3	49.5	15.5	12,500
Embraer-121	92	47.4	40.2	15.9	12,500
Embraer-326	102	35.6	35.0	12.2	11,500
Embraer-820	74	40.7	34.6	13.0	7,000
Fairchild C-119	122	109.2	86.5	26.2	74,400
Fairchild C-123	88	110.0	75.8	34.1	60,000
Fairchild FH-227	105	95.1	83.0	27.5	45,500
Fairchild F-27	109	95.2	77.2	27.5	42,000
Fokker F-27	102	95.2	82.2	27.6	45,000
Fokker F-28-1000	119	77.4	89.9	27.8	65,000
Fokker F-28-2000	119	77.4	97.1	27.8	65,000
Fokker F-28-3000	121	82.3	89.9	27.8	71,000 71,000
Fokker F-28-4000	121	82.3	97.1	27.8	70,800
Fokker F-28-6000	113	82.3	97.1	27.8 25.6	44,000
Fokker VFW-614	111	70.5	67.5	10.2	4,449
Foxjet 600	97	31.6	31.5	24.9	28,900
GAC-100	86	70.0	67.3	22.8	35,100
Gulfstream I	113	78.5	64.0		65,500
Gulfstream II	141	68.8	79.9	23.2	68,700
Gulfstream III	136	77.8	82.7 79.9	24.5	66,000
Gulfstream II-TT	142	71.7	45.0	9.2	12,495
Hamilton Westwind	96	46.0 47.5	54.5	16.2	20,280
Hansa HFB-320	125 94	98.5	67.0	24.8	46,500
Hindustani-748	94 88	94.7	75.5	24.1	43,000
HP Herald	99	52.0	47.1	17.5	12,566
HP Jetstream	125*	114.8	126.7	29.7	177,500
HS-Nimrod Mk2	124	47.0	47.4	16.5	26,500
HS-125-1/400	125	47.0	50.5		25,000
HS-125-600	125	47.0	50.7	17.6	25,000
HS-125-700	117	86.5	93.1	28.3	87,500
HS-146	94	98.5	67.0	24.8	46,500
HS-748 Andover	100	98.2	78.0	30.1	50,000
H8-748 Andover C	81	68.8	42.8	17.1	15,000
IAI Arava-201	129	44.8	52.3	15.8	23,650
IAI-1124 Westwind Ilyushin IL-12	78	104.0	70.0	30.5	38,000
Ilyushin IL-12	103	122.7	117.8	33.3	141,100
Ilyushin IL-62	152	142.0	174.3	40.7	357,000
Ilyushin IL-76	119	165.7	152.8	48.4	374,790
Ilyushin IL-86	141	158.6	191.9	51.5	414,470
Kewasaki C-l	118*	100.4	95.1	32.9	85,320
Lepan XT-400	75	47.9	33.5	14.1	5,555
Learfan 2100	86	39.3	38.7	11.5	7,200
Learjet 24	128	35.6	43.2	12.6	13,500
Learjet 25	137	35.6	47.6	12.6	15,000
Learjet 28/29	120	42.2	45.0	12.6	15,000

C

	Appch	Wing	Longth	Tail	Maximum
Aircraft	Speed (Knots)	Span (Feet)	Length (Feet)	Height (Feet)	TOGW (Lbs)
MICIAL	(MICCO)	(1666)	110007	(1000)	
Learjet 35A/36A	143	39.6	48.6	12.6	18,000
Learjet 54-55-56	128	43.8	55.1	14.8	20,500
LET L-410	81	63.9	47.4	19.1	12,566
Lockheed C-141A	129	160.1	145.0	39.3	325,000
Lockheed C-141B	129	160.1	168.2	39.3	325,000
Lockheed C-5A	135	222.8	247.8	65.1	769,000
Lockheed P-3	134	99.7	116.8	33.7	135,000
Lockheed SR-71	180	55.6	112.4	18.5	170,000
Lockheed 100-20	137	132.6	106.1	38.4	155,800
Lockheed 100-30	129	132.6	112.7	38.4	155,000
Lockheed 1011-1	138	155.3	177.7	55.3	430,000
Lockheed 1011-100	140	155.3	177.7	55.3	466,000
Lockheed 1011-200	140	155.3	177.7	55.3	466,000
Lockheed 1011-250	144	155.3	177.7	55.3	496,000
Lockheed 1011-400	144	157.4	164.3	55.3	374., 500
Lockheed 1011-500	148	164.3	164.3	55.3	504,000
Lockheed 1011-600	140*	142.8	141.0	53.0	297,000
Lockheed 1049	113	123.0	113.3	24.8	142,100
Lockheed 1329-25	132	54.4	60.4	20.4	44,500
Lockheed 1649	89	150.0	116.2	24.8	160,000
Lockheed 188	123	99. 0	104.5	32.8	116,000
Lockheed 400	121*	119.7	97.8	38.0	84,000
Lockheed 749	93	123.0	95.2	22.4	107,000
Martin-404	98	93.3	74.6	28.7	44,900
MDC-C-133	128	179.7	157.5	48.3	300,000
MDC-DC-10-10	138	155.3	182.4	58.1	455,000
MDC-DC-10-30/40	151	165.4	182.4	58.1	` 580,000
MDC-DC-3	72	95.0	64.5	23.5	25,200
MDC-DC-4	95	117.5	93.8	27.9	73, 200
MDC-DC-6A/B	108	117.5	106.7	28.7	107,000
MDC-DC-7	110	127.5	112.3	31.8	143,000
MDC-DC-8-10/20	131	142.4	150.5	42.3	276,000
MDC-DC-8-30/40	133	142.4	150.5	42.3	315,000
MDC-DC-8-50	137	142.4	150.5	42.3	325,000
MDC-DC-8-61	142	142.4	187.4	42.3	328,000
MDC-DC-8-62	124	148.4	157.4	42.3	350,000
MDC-DC-8-63	147	148.4	187.4	42.3	355,000
MDC-DC-9-10/15	134	89.4	104.4	27.5	90,700
MDC-DC-9-20	124	93.5	104.4	27.5	98,000
MDC-DC-9-30	127	93.5	119.4	27.5	121,000
MDC-DC-9-40	129	93.5	125.7	28.6	114,000
MDC-DC-9-50	132	93.5	133.5	28.6	121,000
MDC-DC-9-80	132	107.9	147.9	30.2	140,000
MDC-DC-9-82	135	107.9	147.9	29.6	147,000
Mitsubishi Diamond MU-300	100	43.4	48.3	13.7	13,890
Mitaubishi Marquise	88	39.1	39.4	13.6	11,575
Miteubishi MU-2	119	39.1	39.5	13.6	10,800
Mitsubishi Solitaire	87	39.1	33.2	12.9	10,470
MAI-QS TOL	85	100.3	98.4	32.8	85,300
Nihon YS-11	98	105.0	86.3	29.5	54,010

<u>Aircraft</u>	Appch Speed (Knots)	Wing Span (Feet)	Length (Feet)	Tail Height (Feet)	Maximum TOGW (Lbs)
Nomad N-22	69	54.0	41.2	18.1	8,500
Nomad N-24	73	54.0	47.1	18.1	9,400
NORD-262	96	71.9	63.3	20.4	23,800
Partenavia 68B Victor	73	39.4	30.7	11.2	4,321
Piaggio PD-808	117	43.3	42.2	15.8	18,300
Piaggio P-166 Portofino	82	48.2	39.2	16.4	9,480
Pilatus PC-6 Porter	57	49.7	37.4	10.5	4,850
Piper Aerostar	94	36.7	34.8	12.1	6,000
Piper Cheyenne	110	42.7	32.1	12.6	10,500
Piper Navajo	100	40.7	32.6	13.0	6,500
PZL-AN-2	54	59.7	40.7	13.1	12,125
PZL-AN-28	85	72.2	42.6	15.1	13,450
PZL-M-15	62	73.5	41.8	17.5	12,465
Rockwell B-1	165*	136.7	150.3	33.6	389,800
Rockwell JC1121	130	43.3	50.4	15.8	16,800
Rockwell Sabre 40	120	44.4	43.8	16.0	18,650
Rockwell Sabre 60	120	50.4	46.9	16.0	20,172
Rockwell Sabre 65	105	50.4	46.9	16.0	24,000
Rockwell Sabre 75A	137	44.7	47.2	17.2	23,000
Rockwell Sabre 80	128	50.4	47.2	17.3	24,500
Rockwell 690	97	46.5	44.3	15.0	10,250
Rockwell 840	98	52.1	42.9	14.9	10,325
Rockwell 980	121	52.1	42.9	14.9	10,325
Shorts Belfast	126	158.9	136.4	47.0	230,000
Shorts Skyvan	96	74.7	58.0	16.3	24,000
SN-600 Corvette	118	42.2	45.4	13.9	14,550
SUD-210 Caravelle	127	112.5	105.0	28.6	114,640
Swearingen Merlin	105	46.3	42.2	16.8	12,500
Swearingen Metro	112	46.3	59.4	16.8	12,500
Transall C-160	124	131.3	106.3	40.6	112,435
Tupolev TU-114	132*	167.7	189.0	50.0	376,990
Tupolev TU-124	132*	83.8	100.3	50.0	83,775
Tupolev TU-134	144	95.2	121.7	30.0	103,600
Tupolev TU-144	178	94.8	215.5	42.2	396,830
Tupolev TU-154	145	123.4	157.5	37.4	198,450
Vickers Vanguard	119	118.6	122.9	35.0	146,500
Vickers VC-10-1100	128	146.2	158.7	39.5	312,000
Vickers VC-10-1150	138	146.2	171.7	39.5	335,100
Vickers VC-2	122	94.0	85.7	26.9	72,500
Volpar Centennial	88	50.0	51.9	16.5	12,500
Volpar Turbo 18	100	46.0	37.4	9.6	10,286
Yakovlev YAK-40	128*	82.2	66.8	55.8	35,275
Yakovlev YAK-42	128*	114.8	114.8	50.0	114,640
Yu Shi-11	80*	55.7	39.4	15.1	7,150

^{*}Approach speeds estimated.

(

CURRENT AIRCRAFT ARRANGED BY APPROACH SPEED

(Sources: Jane's All the World's Aircraft, Aviation Week and Space Technology, AC 150/5325-5B, and Flight Handbooks)

	Appch Speed	Wing Span	Length	Tail Height (Feet)	Maximum TOGW (Lbs)
Aircraft	(Knots)	(Feet)	(Feet)	(reet)	(LUS)
DeH DHC-2	50	48.0	30.3	9.0	5,100
Antonov AN-14	52	72.1	37.5	15.2	7,935
PZL-AN-2	54	59.7	40.7	13.1	12,125
Cessna-150	55	33.3	24.1	8.5	1,670
Pilatus PC-6 Porter	57	49.7	37.4	10.5	4,850
Breguet 914S	59	76.7	77.9	31.7	26,500
PZL-M-15	62	73.5	41.8	17.5	12,465
Cessna-177	64	35.5	27.2	8.6	2,500
BN-2A Trislander	65	53.0	49.3	14.2	10,000
Nomad N-22	69	54.0	41.2	18.1	8,500
Beech A-36	72	33.5	27.5	8.6	3,650
MDC-DC-3	72	95.0	64.5	23.5	25,200
Nomad N-24	73	54.0	47.1	18.1	9,400
Partenavia 68B Victor	73	39.4	30.7	11.2	4,321
Dornier DO-28	74	51.0	37.5	12.8	8,853
Embraer-820	74	40.7	34.6	13.0	7,000
Dornier LTA	74*	58.4	54.4	18.2	15,100
DeH DHC-6	75	65.0	51.8	19.5	12,500
Lapan XT-400	75	47.9	33.5	14.1	5,555
DeH DHC-4	77	95.6	72.6	31.8	28,500
Ilyushin IL-12	78	104.0	70.0	30.5	38,000
Yu Shi-11	80*	55.7	39.4	15.1	7,150
Casa C-212 Aviocar	81	62.3	50.0	21.0	13,889
IAI Arava-201	81	68.8	42.8	17.1 19.1	15,000 12,566
LET L-410	81	63.9	47.4 39.2	16.4	9,480
Piaggio P-166 Portofino	82 83	48.2 93.0	39. Z 80. 7	26.2	44,000
Dell Dash 7	83 84	57 . 0	39.5	13.3	8,950
DeH Dove-104	85	71.5	45.5	15.6	13,500
DeH Heron-114	85	100.3	98.4	32.8	85,300
NAI-QSTOL	85	72.2	42.6	15.1	13,450
PZL-AN-28 AIDC-XC-2	86	81.7	65.9	25.3	25,000
GAC-100	86	70.0	67.3	24.9	28,900
Learfan 2100	86	39.3	38.7	11.5	7,200
Beech E-18	87	49.2	35.1	10.5	8,750
Mitsubishi Solitaire	87	39.1	33.2	12.9	10,470
Antonov AN-28	88	72.4	42.6	15.1	13,450
Fairchild C-123	88	110.0	75.8	34.1	60,000
HP Herald	88	94.7	75.5	24.1	43,000
Mitsubishi Marquise	88	39.1	39.4	13.6	11,575
Volpar Centennial	88	50.0	51.9	16.5	12,500
		_			

Aircraft	Appch Speed	Wing Span	Length	Tail Height	Maximum TOGW
AIICIAIC	(Knots)	(Feet)	(Feet)	(Feet)	(Lbs)
Boeing YC-14	89	129.0	131.7	48.3	237,000
Lockheed 1649	89	150.0	116.2	24.8	160,000
Antonov AN-72	89*	84.8	87.1	27.0	63,935
DeH DHC-5	91	96.0	79.0	28.7	49,200
Beech 100	92	45.8	39.9	15.4	11,500
Cessna-404	92	46.3	39.5	13.3	8,450
Embraer-110	92	50.3	49.5	15.5	12,500
Embraer-121	92	47.4	40.2	15.9	12,500
Lockheed 749	93	123.0	95.2	22.4	107,000
Cessna-414	94	44.1	36.4	11.5	6,785
Hindustani-748	94	98.5	67.0	24.8	46,500
HS-748 Andover	94	98.5	67.0	24.8	46,500
Piper Aerostar	94	36.7	34.8	12.1	6,000
Cessna-402	95	44.1	36.3	11.4	6,850
MDC-DC-4	95	117.5	93.8	27.9	73,200
Air Metal C-111	96	63.0	55.2	21.0	18,629
Beech B-99	96	45.9	44.6	14.3	10,900
Cessna-421	96	41.1	36.4	12.9	7,500
Hamilton Westwind	96	46.0	45.0	9.2	12,495
NORD-262	96	71.9	63.3	20.4	23,800
Shorts Skyvan	96	74.7	58.0	16.3	24,000
Foxjet 600	97	31.6	31.5	10.2	4,449
Rockwell 690	97	46.5	44.3	15.0	10,250
Ahrens 404	98	66.0	52.8	17.5	17,000
AJI Hustler	98	34.3	41.0	13.1	9,500
Beech E-90	98	50.3	35.5	14.2	10,100
Martin-404	98	93.3	74.6	28.7	44,900
Nihon YS-11	98	105.0	86.3	29.5	54,010
Rockwell 840	98	52.1	42.9	14.9	10,325
HP Jetstream	99	52.0	47.1	17.5	12,566
Cessna-441	100	49.3	39.0	13.1	9,850
HS-748 Andover C	100	98.2	78.0	30.1	50,000
Mitsubishi Diamond MU-300	100	43.4	48.3	13.7	13,890
Piper Navajo	100	40.7	32.6	13.0	6,500
Volpar Turbo 18	100	46.0	37.4	9.6	10,286
Dolphin IA-50	101	64.1	48.8	19.1	16,200
Casa C-207A Azor	102	91.2	68.4	25.4	36,400
Embraer-326	102	35.6	35.0	12.2	11,500
Fokker F-27	102	95.2	82.2	27.6	45,000
Ilyushin IL-18	103	122.7	117.8	33.3	141,100
Breguet FAL-10	104	42.9	45.5	15.1	18,740
Convair 340	104	105.6	79.2	28.2	47,000
Boeing 377	105	141.3	110.3	38.3	145,800
Fairchild FH-227	105	95.1	83.0	27.5	45,500
Rockwell Sabre 65	105	50.4	46.9	16.0	24,000
Swearingen Merlin	105	46.3	42.2	16.8	12,500
Beech 200	106	54.5	43.8	15.0	12,500
Convair 440	106	105.3	79.2	28.2	49,100
Breguet FAL-20	107	53.5	56.3	17.4	28,660
Convair 240	107	91.8	74.7	26.9	41,790

	Appch Speed	Wing Span	Length	Tail Height	Maximum TOGW
Aircraft	(Knots)	(Feet)	(Feet)	(Feet)	(Lbs)
Convair 580	107	105.3	81.5	29.1	54,600
Beech F-90	108	45.9	39.8	15.1	10,950
Cessna Citation I	108	47.1	43.5	14.3	11,850
Cessna Citation II	108	51.6	47.2	14.8	13,300
DeH Comet 4C	108	114.9	118.0	29.5	162,000
MDC-DC-6A/B	108	117.5	106.7	28.7	107,000
Aeritalia G-222	109	94.5	79.2	38.5	58,422
Fairchild F-27	109	95.2	77.2	27.5	42,000
MDC-DC-7	110	127.5	112.3	31.8	143,000
Piper Cheyenne	110	42.7	32.1	12.6	10,500
Fokker VFW-614	111	70.5	67.5	25.6	44,000
Antonov AN-30	112	96.4	80.1	27.3	51,040
Swearingen Metro	112	46.3	59.4	16.8	12,500
AW-660 Argosy	113	115.0	89.1	27.0	97,000
Breguet FAL-50	113	61.9	60.8	22.9	38,480
Fokker F-28-6000	113	82.3	97.1	27.8	70,800
Gulfstream I	113	78.5	64.0	22.8	35,100
Lockheed 1049	113	123.0	113.3	24.8	142,100
Cessna Citation III	114	50.6	51.6	17.0	17,000
Breguet 200	117	104.8	134.4	37.3	154,323
Bristol Brittania	117	142.2	124.2	37.5	185,000
HS-146	117	86.5	93.1	28.3	87,500
Piaggio PD-808	117	43.3	42.2	15.8	18,300
SN-600 Corvette	118	42.2	45.4	13.9	14,550
Kawasaki C-l	118*	100.4	95.1	32.9	85,320
Antonov AN-24	119	95.8	77.2	27.3	48,060
Fokker F-28-1000	119	77.4	89.9	27.8	65,000
Fokker F-28-2000	119	77.4	97.1	27.8	65,000
Ilyushin IL-76	119	165.7	152.8	48.4	374,790
Mitsubishi MU-2	119	39.1	39.5	13.6	10,800
Vickers Vanguard	119	118.6	122.9	35.0	146,500
Learjet 28/29	120	42.2	45.0	12.6	15,000
Rockwell Sabre 40	120	44.4	43.8	16.0	18,650
Rockwell Sabre 60	120	50.4	46.9	16.0	20,172
Antonov AN-26	121	95.8	78.1	28.1	52,920
Fokker F-28-3000	121	82.3	89.9	27.8	71,000
Fokker F-28-4000	121	82.3	97.1	27.8	71,000
Rockwell 980	121	52.1	42.9	14.9	10,325
Lockheed 400	121*	119.7	97.8	38.0	84,000
Fairchild C-119	122	109.2	86.5	26.2	74,400
Vickers VC-2	122	94.0	85.7	26.9	72,500
AW-650 Argosy	123	115.0	89.8	29.3	93,000
Canadair CL-44	123	142.3	136.8	38.6	210,500
Lockheed 188	123	99.0	104.5	32.8	116,000
HS-125-1/400	124	47.0	47.4	16.5	26,500
MDC-DC-8-62	124	148.4	157.4	42.3	350,000
MDC-DC-9-20	124	93.5	104.4	27.5	98,000
Transall C-160	124	131.3	106.3	40.6	112,435
A-310 Airbus	125	144.0	154.9	51.9	288,000
Boeing 727-100	125	107.9	133.2	34.3	170,000

Admana Ca	Appch Speed	Wing Span	Length	Tail Height	Maximum TOGW
Aircraft	(Knots)	(Feet)	(Feet)	(Feet)	(Lbs)
Canadair CL-600	125	61.8	68.4	20.7	. 22 500
Hansa HFB-320	125	47.5	54.5	16.2	32,500
HS-125-600	125	47.0	50.5	17.3	20,280
HS-125-700	125	47.0	50.7		25,000
HS-Nimrod Mk2	125*	114.8	126.7	17.6	25,000
Antonov AN-10	126	124.8	121.4	29.7	177,500
Shorts Belfast	126	158.9	136.4	32.2	121,500
Antonov AN-12	127	124.8	109.0	47.0	230,000
MDC-DC-9-30	127	93.5	_	34.6	134,480
SUD-210 Caravelle	127	112.5	119.4 105.0	27.5	121,000
BAC-111-300	128	88.5		28.6	114,640
Learjet 24	128	35.6	93.5	24.5	88,50 0
Learjet 54-55-56	128	43.8	43.2	12.6	13,500
MDC-C-133	128		55.1	14.8	20,500
Rockwell Sabre 80	128	179.7 50.4	157.5	48.3	300,000
Vickers VC-10-1100	128		47.2	17.3	24,500
Yakovlev YAK-40	128*	146.2	158.7	39.5	312,000
Yakovlev YAK-42	128*	82.2	66.8	55.8	35,275
BAC-111-200	129	114.8	114.8	50.0	114,640
IAI-1124 Westwind	129	88.5	93.5	24.5	79,000
Lockheed C-141A	129	44.8	52.3	15.8	23,650
Lockheed C-141B	129	160.1	145.0	39.3	325,000
Lockheed 100-30		160.1	168.2	39.3	325,000
MDC-DC-9-40	129	132.6	112.7	38.4	155,000
Boeing 767	129	93.5	125.7	28.6	114,000
Rockwell JC1121	130	156.3	159.1	52.0	300,000
Breguet 1150	130 130*	43.3	50.4	15.8	16,800
MDC-DC-8-10/20	131	119.1	104.2	37.2	95,900
A-300 Airbus	131	142.4	150.5	42.3	276,000
Boeing 707-420	132	147.1	175.9	54.2	429,900
Lockheed 1329-25	132	145.5	152.9	42.2	316,000
MDC-DC-9-50	132	54.4 93.5	60.4	20.4	44,500
MDC-DC-9-80	132	107.9	133.5	28.6	121,000
Tupolev TU-114	132 *	167.7	147.9	30.2	140,000
Tupolev TU-124	132*	83.8	189.0	50.0	376,990
Boeing 720	133	130.8	100.3	50.0	83,775
MDC-DC-8-30/40	133	142.4	136.7	41.5	230,000
Lockheed P-3	134	99.7	150.5	42.3	315,000
MDC-DC-9-10/15	134	89.4	116.8	33.7	135,000
BAC-111-475	135	93.5	104.4	27.5	90,700
Boeing 757	135	124.5	93.5 154.6	24.5	98,500
Lockheed C-5A	135	222.8		44.5	220,000
MDC-DC-9-82	135	107.9	247.8	65.1	769,000
Boeing 707-320B	136		147.9	29.6	147,000
Gulfstream III	136	145.5	152.9	42.2	336,000
BAC-111-400	136	77.8	82.7	23.2	68,700
Boeing E-3	137 137	88.6	93.5	24.6	88,500
Boeing 720B	137	145.9	153.0	42.0	325,000
Boeing 737	137	130.8 93.0	136.7	41.2	235,000
DeH Trident 121-2	137		94.0	37.2	116,000
	LJ/	95.0	114.8	27.0	135,500

Aircraft	Appch Speed (Knots)	Wing Span (Feet)	Length (Feet)	Tail Height (Feet)	Maximum TOGW (Lbs)
Learjet 25	137	35.6	47.6	12.6	15,000
Lockheed 100-20	137	132.6	106.1	38.4	155,800
MDC-DC-8-50	137	142.4	150.5	42.3	325,000
Rockwell Sabre 75A	137	44.7	47.2	17.2	23,000
Boeing 727-200	138	107.9	153.2	34.9	210,000
DeH Trident 121-2E	138	98.0	114.8	27.0	144,000
Lockheed 1011-1	138	155.3	177.7	55.3	430,000
MDC-DC-10-10	138	155.3	182.4	58.1	455,000
Vickers VC-10-1150	138	146.2	171.7	39.5	335,100
Boeing 707-100	139	130.8	145.1	41.7	258,000
Boeing 707-320	139	145.5	152.9	42.2	316,000 686,000
Boeing 747-SP	140	195.7	184.7	65.8	466,000
Lockheed 1011-100	140	155.3	177.7	55.3	466,000
Lockheed 1011-200	140	155.3	177.7	55.3 41.2	551,160
Antonov AN-22	140*	211.3	189.6	53.0	297,000
Lockheed 1011-600	140*	142.8	141.0 231.8	65.5	603,000
Boeing 747-SR	141	195.7	79.9	24.5	65,500
Gulfstream II	141	68.8	191.9	51.5	414,470
Ilyushin IL-86	141	158.6	157.6	40.8	488,000
Boeing B-52	141*	185.0 71.7	79.9	24.5	66,000
Gulfstream II-TT	142	142.4	187.4	42.3	
MDC-DC-8-61	142	98.0	131.2	28.3	158,000
DeH Trident 121-3	143	39.6	48.6	12.6	18,000
Learjet 35A/36A	143	93.5	107.0	24.5	104,500
BAC-111-500	144	155.3	177.7	55.3	496,000
Lockheed 1011-250	144 144	157.4	164.3	55.3	374,500
Lockheed 1011-400	144	95.2	121.7	30.0	103,600
Tupolev TU-134	144	130.8	145.1	41.7	258,000
Boeing 707-200	145	155.0	181.5	44.8	380,000
Boeing 777	145	123.4	157.5	37.4	198,450
Tupolev TU-154	146	98.0	131.2	28.3	158,000
DeH Trident 121-3B	147	148.4	187.4	42.3	355,000
MDC-DC-8-63	148	164.3	164.3	55.3	504,000
Lockheed 1011-500	151	165.4	182.4	58.1	580,000
MDC-DC-10-30/40	152	195.7	231.8	64.7	830,000
Boeing E-4	152	195.7	231.8	64.7	830,000
Boeing 747	152	142.0	174.3	40.7	357,000
Ilyushin IL-62	155	120.0	129.3	36.3	193,000
Convair 880	156	120.0	139.2	39.5	253,000
Convair 990	162	83.8	203.8	40.0	408,000
Concorde	165*	136.7	150.3	33.6	389,800
Rockwell B-1	178	94.8	215.5	42.2	396,830
Tupolev TU-144 Lockheed SR-71	180	55.6	112.4	18.5	170,000

^{*}Approach speeds estimated.

CURRENT AIRCRAFT ARRANGED BY WING SPAN

(Sources: Jane's All the World's Aircraft, Aviation Week and Space Technology, AC 150/5325-5B, and Flight Handbooks)

> Prepared by: AFO-560 July 1980

Aircraft	Appch Speed (Knots)	Wing Span (Feet)	Length (Feet)	Tail Height (Feet)	Heximum TOGW (Lbs)
Foxjet 600	97	31.6	31.5	10.2	4,449
Cessna-150	55	33.3	24.1	8.5	1,670
Beech A-36	72	33.5	27.5	8.6	3,650
AJI Hustler	98	34.3	41.0	13.1	9,500
Cessna-177	64	35.5	27.2	8.6	2,500
Embraer-326	102	35.6	35.0	12.2	11,500
Learjet 24	128	35.6	43.2	12.6	13,500
Learjet 25	137	35.6	47.6	12.6	15,000
Piper Aerostar	94	36.7	34.8	12.1	6,000
Mitsubishi Marquise	88	39.1	39.4	13.6	11,575
Mitsubishi MU-2	119	39.1	39.5	13.6	10,800
Mitsubishi Solitaire	87	39.1	33.2	12.9	10,470
Learfan 2100	86	39.3	38.7	11.5	7,200
Partenavia 68B Victor	73	39.4	30.7	11.2	4,321
Learjet 35A/36A	143	39.6	48.6	12.6	18,000
Embraer-820	74	40.7	34.6	13.0	7,000
Piper Navajo	100	40.7	32.6	13.0	6,500
Cessna-421	96	41.1	36.4	12.9	7,500
Learjet 28/29	120	42.2	45.0	12.6	15,000
SN-600 Corvette	118	42.2	45.4	13.9	14,550
Piper Cheyenne	110	42.7	32.1	12.6	10,500
Breguet FAL-10	104	42.9	45.5	15.1	18,740
Piaggio PD-808	117	43.3	42.2	15.8	18,300
Rockwell JC1121	130	43.3	50.4	15.8	16,800
Mitsubishi Diamond MU-300	100	43.4	48.3	13.7	13,890
Learjet 54-55-56	128	43.8	55.1	14.8	20,500
Cessna-402	95	44.1	36.3	11.4	6,850
Cessna-414	94	44.1	36.4	11.5	6,785
Rockwell Sabre 40	120	44.4	43.8	16.0	18,650
Rockwell Sabre 75A	137	44.7	47.2	17.2	23,000
IAI-1124 Westwind	129	44.8	52.3	15.8	23,650
Beech 100	92	45.8	39.9	15.4	11,500
Beech B-99	96	45.9	44.6	14.3	10,900
Beech F-90	108	45.9	39.8	15.1	10,950
Hamilton Westwind	96	46.0	45.0	9.2	12,495
Volpar Turbo 18	100	46.0	37.4	9.6	10,286
Cessna-404	92	46.3	39.5	13.3	8,450
Swearingen Merlin	105	46.3	42.2 50.4	16.8	12,500
Swearingen Matro	112	46.3	59.4	16.8	12,500
Rockwell 690	97	46.5	44.3	15.0	10,250
HS-125-1/400	124	47.0	47.4	16.5	26,500

	Appch	Wing	Lomoth	Tail	Maximum TOGW
Aircraft	Speed (Knots)	Span (Feet)	Length (Feet)	Height (Feet)	(Lbs)
	<u> </u>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	42227	<u> </u>	
HS-125-600	. 125	47.0	50.5	17.3	25,000
HS-1 25-700	125	47.0	50.7	. 17.6	25,000
Cessna Citation I	108	47.1	43.5	14.3	11,850
Embraer-121	92	47.4	40.2	15.9	12,500
Hansa HFB-320	125	47.5	54.5	16.2	20,280
Lapan XT-400	75	47.9	33.5	14.1	5,555
DeH DHC-2	50	48.0	30.3	9.0	5,100
Piaggio P-166 Portofino	82	48.2	39.2	16.4	9,480
Beech E-18	87	49.2	35.1	10.5	8,750
Cessna-441	100	49.3	39.0	13.1	9,850
Pilatus PC-6 Porter	57	49.7	37.4	10.5	4,850
Volpar Centennial	88	50.0	51.9	16.5	12,500
Beech E-90	98	50.3	35.5	14.2	10,100
Embraer-110	92	50.3	49.5	15.5	12,500
Rockwell Sabre 60	120	50.4	46.9	16.0	20,172
Rockwell Sabre 65	105	50.4	46.9	16.0	24,000
Rockwell Sabre 80	128	50.4	47.2	17.3	24,500
Cessna Citation III	114	50.6	51.6	17.0	17,000
Dornier DO-28	74	51.0	37.5	12.8	8,853
Cessna Citation II	108	51.6	47.2	14.8	13,300
HP Jetstream	99	52.0	47.1	17.5	12,566
Rockwell 840	98	52.1	42.9	14.9	10,325
Rockwell 980	121	52.1	42.9	14.9	10,325
BN-2A Trislander	65	53.0	49.3	14.2	10,000
Breguet FAL-20	107	53.5	56.3	17.4	28,660
Nomad N-22	69 70	54.0	41.2	18.1	8,500
Nomad N-24	73	54.0	47.1	18.1	9,400
Lockheed 1329-25	132	54.4	60.4	20.4	44,500
Beech 200	106	54.5	43.8	15.0	12,500
Lockheed SR-71	180	55.6	112.4	18.5	170,000
Yu Shi-ll	80*	55.7	39.4	15.1	7,150
Dell Dove-104	84	57.0	39.5	13.3	8,950
Dornier LTA	74*	58.4	54.4	18.2 13.1	15,100 12,125
PZI_AN-2	54	59.7	40.7	20.7	32,500
Canadair CL-600	125	61.8	68.4		
Breguet FAL-50	113	61.9	60.8 50.0	22.9 21.0	38,480 13,889
Casa C-212 Aviocar	81	62.3 63.0	55.2	21.0	18,629
Air Metal C-111	96 81	63.9	47.4	19.1	12,566
LET L-410			48.8	19.1	16,200
Dolphin IA-50	101 75	64.1 65.0	51.8	19.5	12,500
DeH DHC-6	75 98	66.0	52.8	17.5	17,000
Ahrens 404	141	68.8	79.9	24.5	65,500
Gulfstream II IAI Arava-201	81	68.8	42.8	17.1	15,000
	86	70.0	67.3	24.9	28,900
GAC-100 Fokker VFW-614	111	70.5	67.5	25.6	44,000
Del Heron-114	85	71.5	45.5	15.6	13,500
Gulfstream II-TT	142	71.7	79.9	24.5	66,000
NORD-262	96	71.9	63.3	20.4	23,800
Antonov AN-14	52	72.1	37.5	15.2	7,935
SIMPARA 1914 V.A.		14			. ,

	Appch	Wing	Length	Tail Height	Maximum TOGW
Aircraft	Speed (Knots)	Span (Feet)	(Feet)	(Feet)	(Lbs)
	85	72.2	42.6	15.1	13,450
PZL-AN-28		72.4	42.6	15.1	13,450
Antonov AN-28	88 43	73.5	41.8	17.5	12,465
PZL-M-15	62 9 6	73.3 74.7	58.0	16.3	24,000
Shorts Skyven	59	76.7	77.9	31.7	26,500
Breguet 9148	119	77.4	89.9	27.8	65,000
Fokker F-28-1000	119	77.4	97.1	27.8	65,000
Fokker F-28-2000	136	77.8	82.7	23.2	68,700
Gulfatream III	113	78.5	64.0	22.8	35,100
Gulfstream I			65.9	25.3	25,000
AIDC-XC-2	86	81.7 82.2	66.8	55.8	35,275
Yakovlev YAK-40	128*	82.3	89.9	27.8	71,000
Fokker F-28-3000	121 121	82.3	97.1	27.8	71,000
Fokker F-28-4000	113	82.3	97.1	27.8	70,800
Fokker F-28-6000		83.8	203.8	40.0	408,000
Concorde	162		100.3	50.0	83,775
Tupolev TU-124	132 * 8 9 *	83.8 84.8	87.1	27.0	63,935
Antonov AN-72		86.5	93.1	28.3	87,500
HS-146	117	88. 5	93.5	24.5	79,000
BAC-111-200	129		93.5	24.5	88,500
BAC-111-300	128	88.5 88.6	93.5	24.6	88,500
BAC-111-400	137		104.4	27.5	90,700
MDC-DC-9-10/15	134	89.4	68.4	25.4	36,400
Casa C-207A Azor	102	91.2	74.7	26.9	41,790
Convair 240	107	91.8	94.0	37.2	116,000
Boeing 737	137	93.0	80.7	26.2	44,000
Dell Dash 7	83	93.0	74.6	28.7	44,900
Martin-404	98	93.3	93.5	24.5	98,500
BAC-111-475	135	93.5	107.0	24.5	104,500
BAC-111-500	144	93.5	104.4	27.5	98,000
MDC-DC-9-20	124	93.5	119.4	27.5	121,000
MDC-DC-9-30	127	93.5	125.7	28.6	114,000
MDC-DC-9-40	129	93.5	133.5	28.6	121,000
MDC-DC-9-50	132	93.5 94.0	85.7	26.9	72,500
Vickers VC-2	122	94.5	79.2	38.5	58,422
Aeritalia G-222	109	94.7	75.5	24.1	43,000
HP Herald	88	94.8	215.5	42.2	396,830
Tupolev TU-144	178		114.8	27.0	135,500
Dell Trident 121-2	137	95.0	64.5	23.5	25,200
MDC-DC-3	72	95.0 95.1	83.0	27.5	45,500
Fairchild FH-227	105 109	95.2	77.2	27.5	42,000
Feirchild F-27	102	95.2	82.2	27.6	45,000
Fokker F-2.7	144	95.2	121.7	30.0	103,600
Tupolev TU-134	77	95.6	72.6	31.8	28,500
Dell DIIC-4	119	95.8	77.2	27.3	48,060
Antonov AN-24	121	95.8		28.1	52,920
. Antonov AN-26	91	%. 0	7 9. 0	28.7	49,200
Dell DRC-5	112	96.4	80.1	27.3	51,040
Antonov AN-30	138	98.0	114.8	27.0	144,000
Del Trident 121-28		96.0	131.2	28.3	158,000
Dell Trident 121-3	143	70 .0	131.4	20.3	*20,000

e e	Appch	Wing	• • •	Tail	Maximum
Almoneft	Speed	Span (Feet)	Length (Foot)	Height (Foot)	TOGW (Lbs)
Aircraft	(Knots)	(reet)	(Feet)	(Feet)	(LDS)
DeH Trident 121-3B	146	98.0	131.2	28.3	158,000
HS-748 Andover C	100	98.2	78.0	.30.1	50,000
Hindustani-748	94	98.5	67.0	24.8	46,500
HS-748 Andover	94	98.5	67.0	24.8	46,500
Lockheed 188	123	99.0	104.5	32.8	116,000
Lockheed P-3	134	99.7	116.8	33.7	135,000
nai-qs tol	85	100.3	98.4	32.8	85,300
Kawasaki C-l	118*	100.4	95.1	32.9	85,320
Ilyushin IL-12	78	104.0	70.0	30.5	38,000
Breguet 200	117	104.8	134.4	37.3	154,323
Nihon YS-11	98	105.0	86.3	29.5	54,010
Convair 440	106	105.3	79.2	28.2	49,100
Convair 580	107	105.3	81.5	29.1	54,600
Convair 340	104	105.6	79.2	28.2	47,000
Boeing 727-100	125	107.9	133.2	34.3	170,000
Boeing 727-200	138	107.9	153.2	34.9	210,000
MDC-DC-9-80	132	107.9	147.9	30.2	140,000
MDC-DC-9-82	135	107.9	147.9	29.6	147,000
Fairchild C-119	122	109.2	86.5	26.2	74,400
Fairchild C-123	88	110.0	75.8	34.1	60,000
SUD-210 Caravelle	127	112.5	105.0	28.6	114,640
HS-Nimrod Mk2	125*	114.8	126.7	29.7	177,500
Yakovlev YAK-42	128*	114.8	114.8	50.0	114,640
Dell Comet 4C	108	114.9	118.0	29.5	162,000
AW-650 Argosy	123	115.0	89.8	29.3	93,000
AW-660 Argosy	113 95	115.0 117.5	89.1 93.8	27.0 27.9	97,000
MDC-DC-4 MDC-DC-6A/B	108	117.5	106.7	28.7	73,200 107,000
Vickers Vanguard	119	118.6	122.9	35.0	146,500
Breguet 1150	130*	119.1	104.2	37 . 2	95,900
Lockheed 400	121*	119.7	97.8	38.0	84,000
Convair 880	155	120.0	129.3	36.3	193,000
Convair 990	156	120.0	139.2	39.5	253,000
Ilyushin IL-18	103	122.7	117.8	33.3	141,100
Lockheed 1049	113	123.0	113.3	24.8	142,100
Lockheed 749	93	123.0	95.2		107,000
Tupolev TU-154	145	123.4	157.5	37.4	198,450
Boeing 757	135	124.5	154.6	44.5	220,000
Antonov AN-10	126	124.8	121.4	32.2	121,500
Antonov AN-12	127	124.8	109.0	34.6	134,480
MDC-DC-7	110	127.5	112.3	31.8	143,000
Boeing YC-14	89	129.0	131.7	48.3	237,000
Boeing 707-100	139	130.8	145.1	41.7	258,000
Boeing 707-200	145	130.8	145.1	41.7	258,000
Boeing 720	133	130.8	136.7	41.5	230,000
Boeing 720B	137	130.8	136.7	41.2	235,000
Transall C-160	124	131.3	106.3	40.6	112,435
Lockheed 100-20	137	132.6	106.1	38.4	155,800
Lockheed 100-30	129	132.6	112.7	38.4	155,000
Rockwell B-i	165*	136.7	150.3	33.6	389,800

Aircraft	Appch Speed (Knots)	Wing Span (Feet)	Length (Feet)	Tail Height (Feet)	Maximum TOGW (Lbs)
Boeing 377	105	141.3	110.3	38.3	145,800
Ilyushin IL-62	152	142.0	174.3	40.7	357,000
Bristol Brittania	117	142.2	124.2	37.5	185,000
Canadair CL-44	123	142.3	136.8	38.6	210,500
MDC-DC-8-10/20	131	142.4	150.5	42.3	276,000
MDC-DC-8-30/40	133	142.4	150.5	42.3	315,000
MDC-DC-8-50	137	142.4	150.5	42.3	325,000
MDC-DC-8-61	142	142.4	187.4	42.3	328,000
Lockheed 1011-600	140*	142.8	141.0	53.0	297,000
A-310 Airbus	125	144.0	154.9	51.9	288,000
Boeing 707-320	139	145.5	152.9	42.2	316,000
Boeing 707-320B	136	145.5	152.9	42.2	336,000
Boeing 707-420	132	145.5	152.9	42.2	316,000
Boeing E-3	137	145.9	153.0	42.0	325,000
Vickers VC-10-1100	128	146.2	158.7	39.5	312,000
Vickers VC-10-1150	138	146.2	171.7	39.5	335,100
A-300 Airbus	132	147.1	175.9	54.2	429,900
MDC-DC-8-62	124	148.4	157.4	42.3	350,000
MDC-DC-8-63	147	148.4	187.4	42.3	355,000
Lockheed 1649	89	150.0	116.2	24.8	160,000
Boeing 777	145	155.0	181.5	44.8	380,000
Lockheed 1011-1	138	155.3	177.7	55.3	430,000
Lockheed 1011-100	140	155.3	177.7	55.3	466,000
Lockheed 1011-200	140	155.3	177.7	55.3	466,000
Lockheed 1011-250	144	155.3	177.7	55.3	496,000
MDC-DC-10-10	138	155.3	182.4	58.1	455,000
Boeing 767	130	156.3	159.1	52.0	300,000
Lockheed 1011-400	144	157.4	164.3	55.3	374,500
Ilyushin IL-86	141	158.6	191.9	51.5	414,470
Shorts Belfast	126	158.9	136.4	47.0	230,000
Lockheed C-141A	129	160.1	145.0	39.3	325,000
Lockheed C-141B	129	160.1	168.2	39.3	325,000
Lockheed 1011-500	148	164.3	164.3	55.3	504,000
MDC-DC-10-30/40	151	165.4	182.4	58.1	580,000
Ilyushin IL-76	119	165.7	152.8	48.4	374 ,79 0
Tupolev TU-114	132*	167.7	189.0	50.0	376 ,99 0
MDC-C-133	128	179.7	157.5	48.3	300,000
Boeing B-52	141*	185.0	157.6	40.8	488,000
Boeing E-4	152	195.7	231.8	64.7	830,000
Boeing 747	152	195.7	231.8	64.7	830,000
Boeing 747-SP	140	195.7	184.7	65.8	686,000
Boeing 747-SR	141	195.7	231.8	65.5	603,000
Antonov AM-22	140*	211.3	189.6	41.2	551,160
Lockheed C-5A	135	222.8	247.8	65.1	769,000

^{*}Approach speeds estimated.

CURRENT AIRCRAFT ARRANGED BY LENGTH

(Sources: Jame's All the World's Aircraft, Aviation Week and Space Technology, AC 150/5325-5B, and Flight Handbooks)

	Appch Speed (Knots)	Wing Span (Feet)	Length (Feet)	Tail Height (Feet)	Maximum TOGW (Lbs)
Aircraft	(Minca)	/reer/	7:000	7-3-37	
Cesana-150	55	33.3	24.1	8.5	1,670
Cessne-177	64	35.5	27.2	8.6	2,500
Beech A-36	72	33.5	27.5	8.6	3,650
Dell DHC-2	50	48.0	30.3	9.0	5,100
Partenavia 68B Victor	73	39.4	30.7	11.2	4,321
Foxjet 600	97	31.6	31.5	10.2	4,449
Piper Cheyenne	110	42.7	32.1	12.6	10,500
Piper Navajo	100	40.7	32.6	13.0	6,500
Mitsubishi Solitaire	87	39.1	33.2	12.9	10,470
Lapan XT-400	75	47.9	33.5	14.1	5,555
Embraer-820	74	40.7	34.6	13.0	7,000 6,000
Piper Aerostar	94	36.7	34.8	12.1	
Embraer-326	102	35.6	35.0	12.2	11,500 8,750
Beech E-18	87	49.2	35.1	10.5	10,100
Beech E-90	98	50.3	35.5	14.2	6,850
Cessna-402	95	44.1	36.3	11.4	6,785
Cessna-414	94	44.1	36.4	11.5	7,500
Cessna-421	96	41.1	36.4	12.9	4,850
Pilatus PC-6 Porter	57	49.7	37.4	10.5	10,286
Volpar Turbo 18	100	46.0	37.4	9.6 15.2	7,935
Antonov AN-14	52	72.1	37.5	12.8	8,853
Dornier DO-28	74	51.0	37.5	11.5	7,200
Learfan 2100	86	39.3	38.7	13.1	9,850
Cessne-441	100	49.3	39.0	16.4	9,480
Piaggio P-166 Portofino	82	48.2	39.2	13.6	11,575
Mitsubishi Marquise	88	39.1	39.4	15.1	7,150
Yu Shi-11	804	55.7	39.4	13.3	8,450
Cessne-404	92	46.3	39.5	13.3	8,950
Dell Dove-104	84	57.0	39.5 39.5	13.6	10,800
Mitsubishi MU-2	119	39.1	39.8	15.1	10,950
Beech 7-90	108	45.9	3 9. 9	15.4	11,500
Beech 100	92	45.8	40.2	15.9	12,500
Embraer-121	92	47.4	40.7	13.1	12,125
PZL-AN-2	54	59.7	41.0	13.1	9,500
AJI Mustler	98	34.3	41.2	18.1	8,500
Noned N-22	69	54.0	41.8	17.5	12,465
PZL-H-15	62	73.5	42.2	15.8	18,300
Piaggio PD-806	117	43.3	42.2	16.8	12,500
Swearingen Merlin	105	46.3	42.2	15.1	13,450
Antonov AM-28	88	72.4	42.6	15.1	13,450
PZL-AN-28	85	72.2	74.0	1311	,

Aircraft (Rnots) (Feet) (Feet) (Lbs) IAI Arave-201 81 68.8 42.8 17.1 15,000 Rockwall 840 98 52.1 42.9 14.9 10,325 Rockwall 980 121 52.1 42.9 14.9 10,325 Rockwall 980 120 42.1 43.5 14.3 11,850 Rockwall Sabre 40 120 44.4 43.8 15.0 12,500 Rockwall Sabre 40 120 44.4 43.8 16.0 18,650 Rockwall 690 97 46.5 44.3 15.0 10,250 Reach B-99 96 45.9 44.6 14.3 10,900 Hamilton Westwind 96 46.0 45.0 9.2 12,495 Learjet 28/29 120 42.2 45.0 12.6 15,000 SR-600 Corvette 118 42.2 45.4 13.9 14,550 Rreguet FAL-10 104 42.9 45.5 15.1 18,740 Dell Heron-114 85 71.5 45.5 15.6 13,500 Rockwall Sabre 60 120 50.4 46.9 16.0 20,172 Rockwall Sabre 65 105 50.4 46.9 16.0 24,000 HF Jetstream 99 52.0 47.1 17.5 12,566 Romad N-24 73 54.0 47.1 18.1 9,400 Cesans Citation II 108 51.6 47.2 14.8 13,900 Rockwall Sabre 80 128 50.4 47.2 17.3 24,500 LET 1-410 81 63.9 47.4 19.1 12,566 Rockwall Sabre 80 128 50.4 47.2 17.3 32,500 Learjet 25/1400 104 43.4 48.3 13.7 13,890 Learjet 25 137 35.6 47.6 12.6 15,000 Rib-125-1/400 124 47.0 47.4 16.5 56,500 LET 1-410 81 63.9 47.4 19.1 12,566 Rockwall Sabre 80 128 50.4 47.2 17.3 32,500 Learjet 25 137 35.6 47.6 12.6 15,000 Rib-125-1/400 124 47.0 47.4 16.5 56,500 LET 1-410 81 63.9 47.4 19.1 12,566 Rockwall Sabre 80 128 50.4 47.0 50.5 17.3 1890 Learjet 25 137 35.6 47.6 12.6 15,000 Rib-125-700 125 47.0 50.5 17.3 25,000		Appch	Wing		Tail	Maximum
Name	Almanafe					
Rockwell 840 98 52.1 42.9 14.9 10.325 Rockwell 980 121 52.1 42.9 14.9 10.325 Learjet 24 128 35.6 43.2 12.6 13,500 Cessna Citation I 108 47.1 43.5 14.3 11,850 Rockwell Sabre 40 120 44.4 43.8 15.0 12,500 Rockwell 690 97 46.5 44.3 15.0 10,250 Beach B-99 96 45.9 44.6 14.3 10,900 Hamilton Westwind 96 46.0 45.0 9.2 12,495 Learjet 28/29 120 42.2 45.0 12.6 15.000 SH-600 Corvette 118 42.2 45.0 12.6 13,500 SH-600 Corvette 118 42.2 45.0 13.9 14,550 Rockwell Sabre 60 120 50.4 46.9 16.0 20,172 Rockwell Sabre 65 105 50.4 46.9 16.0 20,172 Rockwell Sabre 65 105 50.4 46.9 16.0 20,172 Rockwell Sabre 65 105 50.4 46.9 16.0 20,172 Cessna Citation II 108 51.6 47.2 14.8 13,300 Rockwell Sabre 80 128 50.4 47.2 17.2 23,000 HS-Lettream 99 52.0 47.1 17.5 12,566 Rockwell Sabre 80 128 50.4 47.2 17.2 23,000 HS-Lettlon 81 Sabre 80 128 50.4 47.2 17.2 23,000 HS-Lettlon 81 Sabre 80 128 50.4 47.2 17.3 24,500 HS-L25-1/400 124 47.0 47.4 16.5 26,500 Mitsubishi Dismond MU-300 100 43.4 48.3 13.7 13,890 Cassa C-212 Aviocar 81 62.3 50.0 21.0 13,889 BB-2A Trislander 65 53.0 49.3 14.5 15.5 15.6 80.00 BB-2A Trislander 65 55.0 51.8 19.1 16,200 BB-2A Trislander 65 75 65.0 51.8 19.1 15.5 10.00 RB-125-700 125 47.0 50.5 17.3 25,000 Cassa C-212 Aviocar 81 62.3 50.0 21.0 13,889 BB-2A Trislander 125 47.0 50.5 17.3 25,000 Cassa C-212 Aviocar 81 62.3 50.0 11.0 13,889 BB-2A Trislander 125 47.0 50.5 17.3 25,000 Cassa C-212 Aviocar 81 62.3 50.0 51.9 16.5 12,500 Cassa C-212 Aviocar 81 62.3 50.0 51.9 16.5 12,500 Cassa C-212 Aviocar 81 62.3 50.0 51.9 16.5 12,500 Cassa C-212 Aviocar 81 62.3 50.0 51.8 19.5 12,500 Cassa C-212 Aviocar 81 62.3 50.0 51.9 16.5 12,500 Cassa C-212 Aviocar 81 62.3 50.0 51.9 16.5 12,500 Cassa C-212 Aviocar 81 62.3 50.0 51.9 16.5 12,500 Cassa C-212 Aviocar 81 62.3 50.0 51.9 16.5 12,500 Cassa C-212 Aviocar 81 62.3 50.0 51.9 16.5 12,500 Cassa C-212 Aviocar 81 62.3 50.0 51.9 16.5 12,500 Cassa C-212 Aviocar 81 62.3 50.0 52.2 11.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28.660 Breguet FAL-50 113 61.9 60.8 22.9	AIICIAIL	(MDCs)	(LEGE)	(FEEL)	(reel)	(LDS)
Rockwell 980	IAI Arava-201	81	68.8	42.8	17.1	15,000
Learjet 24	Rockwell 840	98	52.1	42.9	14.9	10,325
Casma Citation I 108 47.1 43.5 14.3 11.850	Rockwell 980	121	52.1	42.9	14.9	10,325
Beach 200	Learjet 24	128	35.6	43.2	12.6	13,500
Rockwell Sabre 40 Rockwell 690 Rockwell 690 Rockwell 690 Reach B-99 Reach B-96 Reach B-99 Reach B-96 Reach B-99 Reach B-96 Reach B-99 Reach B-96 Reach B-96 Reach B-99 Reach B-96 Reach B-99 Reach B-96 Reach B-99 Reach B-93 Reach B-125-66 Reach B-93 Reach B-93 Reach B-93 Reach B-93 Reach B-125-66 Reach B-93 Reach B-125-66 Reach B-93 Reach B-125-66 Reach B-125 R		108	47.1	43.5	14.3	11,850
Rockwell Sabre 65 Rose B-99 Rockwell Sabre 75A Rockwell Rock			54.5	43.8	15.0	12,500
Beach B-99			44.4	43.8	16.0	18,650
Hamilton Westwind 96						
Learjet 28/29						
Sh-600 Corvette	_					12,495
Brequet FAL-10 DeH Heron-114 B5 71.5 DeH Heron-114 B5 T1.5 DeH Heron-114 B6 DeH Heron-115 DeH Heron-116 De						
DeH Heron-114 85 71.5 45.5 15.6 13,500 Rockwell Sabre 60 120 50.4 46.9 16.0 20,172 Rockwell Sabre 65 105 50.4 46.9 16.0 22,000 HP Jetstream 99 52.0 47.1 17.5 12,566 Nomad N-24 73 54.0 47.1 18.1 9,400 Cessna Citation II 108 51.6 47.2 14.8 13,300 Rockwell Sabre 80 128 50.4 47.2 17.2 23,000 Rockwell Sabre 80 128 50.4 47.2 17.3 24,500 HS-125-1/400 124 47.0 47.4 16.5 26,500 LET L-410 81 63.9 47.4 19.1 12,566 Learjet 25 137 33.6 47.6 12.6 15,000 Mitsubishi Diamond MU-300 100 43.4 48.3 13.7 13,890 Learjet 35A/36A 143 39.6 48.6 12.6 18,000 Dolphin IA-50 101 64.1 48.8 19.1 16,200 BM-2A Trislander 65 53.0 49.3 14.2 10,000 Embraer-110 92 50.3 49.5 15.5 12,500 Casa C-212 Aviocar 81 62.3 50.0 21.0 13,889 Rockwell JCl121 130 43.3 50.4 15.8 16,800 HS-125-700 125 47.0 50.5 17.3 25,000 Cessa Citation III 114 50.6 51.6 17.0 17,000 DeH DEC-6 75 65.0 51.8 19.5 12,500 Volpar Centennial 88 50.0 51.9 16.5 12,500 Volpar Centennial 88 50.0 51.9 16.5 12,500 Laarjet 54-55-56 128 43.8 55.1 14.8 20,500 Air Metal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 33.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Sweathgen Matro 112 44.3 59.4 60.4 20.4 44,500 Breguet FAL-50 113 61.9 60.8 22.9 38,480 MOND-622 96 71.9 63.3 20.4 23.800 Guifstream I 113 78.5 64.0 22.8 33,100						
Rockwell Sabre 60	· •					
Rockwell Sabre 65 HP Jetstream 99 52.0 47.1 17.5 12,566 Nomad R-24 73 54.0 47.1 18.1 9,400 Cessna Citation II 108 51.6 47.2 14.8 13,300 Rockwell Sabre 75A 137 44.7 47.2 17.2 23,000 Rockwell Sabre 80 128 50.4 47.2 17.3 24,500 LET L-410 81 63.9 47.4 19.1 12,566 Learjet 25 137 35.6 47.6 12.6 15,000 Mitsubishi Diamond MU-300 100 43.4 48.3 13.7 13.890 Learjet 35A/36A 143 39.6 48.6 12.6 18,000 Dolphin IA-50 101 64.1 48.8 19.1 16,200 BM-2A Trielander 65 53.0 49.3 14.2 10,000 Embraer-110 92 50.3 49.5 15.5 12,500 Casa C-212 Aviocar 81 62.3 50.0 125 47.0 50.5 17.3 25,000 R8-125-700 125 47.0 50.5 17.3 25,000 Cessna Citation III 114 50.6 51.6 17.0 17.000 Cessna Citation III 114 50.6 51.6 17.0 17.000 Dolphin Cessna Citation III 114 50.6 51.6 17.0 17.000 Dolphin Cessna Citation III 114 50.6 51.6 17.0 17.000 Dolphin Cessna Citation III 114 50.6 51.6 17.0 17.000 Dolphin Cessna Citation III 114 50.6 51.6 17.0 17.000 Dolphin Cessna Citation III 114 50.6 51.6 17.0 17.000 Dolphin Cessna Citation III 114 50.6 51.6 17.0 17.000 Dolphin Cessna Citation III 114 50.6 51.6 17.0 17.000 Dolphin Cessna Citation III 114 50.6 51.6 17.0 17.000 Dolphin Cessna Citation III 114 50.6 51.6 17.0 17.000 Dolphin Cessna Citation III 114 50.6 51.6 17.0 17.000 Dolphin Cessna Citation III 114 50.6 51.6 17.0 17.000 Dolphin Cessna Citation III 114 50.6 51.6 17.0 17.000 Dolphin Cessna Citation III 114 50.6 50.6 51.6 17.0 17.000 Dolphin Cessna Citation III 188 50.0 51.9 66.0 66.0 51.6 60.0 60.						
HP Jetstream 99 52.0 47.1 17.5 12,566 Nomad N-24 73 54.0 47.1 18.1 9,400 Cessna Citation II 108 51.6 47.2 14.8 13,300 Rockwell Sabre 75A 137 44.7 47.2 17.2 23,000 Rockwell Sabre 80 128 50.4 47.2 17.3 24,500 HS-125-1/400 124 47.0 47.4 16.5 26,500 HS-125-1/400 81 63.9 47.4 19.1 12,566 Learjet 25 137 35.6 47.6 12.6 15,000 Mitsubishi Diamond MU-300 100 43.4 48.3 13.7 13,890 Learjet 35A/36A 143 39.6 48.6 12.6 18,000 BM-2A Trislander 65 53.0 49.3 14.2 10,000 Embraer-110 92 50.3 49.5 15.5 12,500 Cessa C-212 Aviocar 81 62.3 50.0 21.0 13,889 Rockwell JC1121 130 43.3 50.4 15.8 16,800 HS-125-600 125 47.0 50.5 17.3 25,000 HS-125-700 125 47.0 50.5 17.3 25,000 HS-125-700 125 47.0 50.7 17.6 25,000 Cessa C-212 Aviocar 81 62.3 50.0 21.0 13,889 Rockwell JC1121 88 50.0 51.6 17.0 17,000 DeH DHC-6 75 65.0 51.6 17.0 17,000 DeH DHC-6 75 65.0 51.8 19.5 12,500 Volpar Centennial 88 50.0 51.9 16.5 12,500 Volpar Centennial 88 50.0 51.9 16.5 12,500 Molpar Centennial 129 44.8 52.3 15.8 23,650 Ahrens 404 98 66.0 52.8 17.5 17.00 Dornier LTA 74* 58.4 54.4 18.2 15,100 Hanse HFB-320 125 47.5 54.5 16.2 20,280 Air Matal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 33.5 56.3 17.4 28,660 Breguet FAL-20 107 33.5 56.3 17.4 28,660 Breguet FAL-20 112 46.3 59.4 16.8 12,500 Lockheed 1329-25 132 54.4 60.4 20.4 44,500 Breguet FAL-50 113 61.9 60.8 22.9 38,480 MOND-262 96 67 71.9 63.3 20.4 23,800 Gulfstream I 113 78.5 64.0 22.8 35,100						
Nomad N-24 Cessna Citation II 108 51.6 47.2 14.8 13,300 Rockwell Sabre 75A 137 44.7 47.2 17.2 23,000 Rockwell Sabre 80 128 50.4 47.2 17.3 24,500 HS-125-1/400 124 47.0 47.4 16.5 26,500 LET L-410 81 63.9 47.4 19.1 12,566 Learjet 25 137 35.6 47.6 12.6 15,000 Mitsubishi Diamond HU-300 100 43.4 48.3 13.7 13,890 Learjet 35A/36A 143 39.6 48.6 12.6 18,000 Dolphin IA-50 101 64.1 48.8 19.1 16,200 Rmbraer-110 92 50.3 49.5 15.5 12,500 Casa C-212 Aviocar 81 62.3 50.0 21.0 13,889 Rockwell JCl121 130 43.3 50.4 15.8 16,800 HS-125-600 125 47.0 50.5 17.3 25,000 HS-125-700 125 47.0 50.5 17.3 25,000 Cessna Citation III 114 50.6 51.6 17.0 17,000 DeH DHC-6 75 65.0 51.8 19.5 12,500 Cessna Citation III 144 50.6 51.6 17.0 17,000 DeH DHC-6 75 65.0 51.8 19.5 12,500 IAI-1124 Westwind 129 44.8 52.3 15.8 23,650 Ahrens 404 98 66.0 52.8 17.5 17,000 Dornier LTA 74* 58.4 54.4 8.2 15.100 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Sreguet FAL-50 113 61.9 60.8 22.9 38,480 Gulfstream I						
Cessna Citation II						
Rockwell Sabre 75A						•
Rockwell Sabre 80						
HS-125-1/400 124 47.0 47.4 16.5 26,500 LET L-410 81 63.9 47.4 19.1 12,566 Learjet 25 137 35.6 47.6 12.6 15,000 Mitsubishi Diamond HU-300 100 43.4 48.3 13.7 13,890 Learjet 35A/36A 143 39.6 48.6 12.6 18,000 Dolphin IA-50 101 64.1 48.8 19.1 16,200 BM-2A Trislander 65 53.0 49.3 14.2 10,000 Embraer-110 92 50.3 49.5 15.5 12,500 Casa C-212 Aviocar 81 62.3 50.0 21.0 13,889 Rockwell JC1121 130 43.3 50.4 15.8 16,800 HS-125-600 125 47.0 50.5 17.3 25,000 HS-125-700 125 47.0 50.5 17.3 25,000 Casana Citation III 114 50.6 51.6 17.0 17,000 DeH DHC-6 75 65.0 51.8 19.5 12,500 Volpar Cantennial 88 50.0 51.9 16.5 12,500 IAI-1124 Westwind 129 44.8 52.3 15.8 23,650 Ahrens 404 98 66.0 52.8 17.5 17,000 Dornier LTA 74* 58.4 54.4 18.2 15,100 Bansa HFB-320 125 47.5 54.5 16.2 20,280 Learjet 54-55-56 128 43.8 55.1 14.8 20,500 Air Matal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.8 12,500 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.8 12,500 Breguet FAL-50 113 61.9 60.8 22.9 38,480 HORD-262 96 71.9 63.3 20.4 23,800 Gulfstresm I 113 78.5 64.0 22.8 35,100						
LET L-410 Learjet 25 137 35.6 47.6 12.6 15,000 Mitaubishi Diamond MU-300 100 43.4 48.3 13.7 13,890 Learjet 35A/36A 143 39.6 48.6 12.6 18,000 Dolphin IA-50 101 64.1 48.8 19.1 16,200 BM-2A Trislander 65 53.0 49.3 14.2 10,000 Embraer-110 92 50.3 49.5 15.5 12,500 Casa C-212 Aviocar 81 62.3 50.0 21.0 13,889 Rockwell JC1121 130 43.3 50.4 15.8 16,800 HS-125-600 125 47.0 50.5 17.3 25,000 Casana Citation III 114 50.6 51.6 17.0 17,000 DeH DHC-6 75 65.0 51.8 19.5 12,500 Volper Centennial 88 50.0 51.9 16.5 12,500 Ahrens 404 98 66.0 52.8 17.5 17,000 Dornier LTA 74* 58.4 54.4 18.2 15,100 Bansa HFB-320 125 47.5 54.5 54.5 16.2 20,280 Learjet 54-55-56 128 43.8 55.1 14.8 20,500 Air Hetal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.8 12.5 00 Calfatrem I 113 61.9 60.8 22.9 38,480 HORD-262 96 71.9 63.3 20.4 23.800 Calfatrem I 113 78.5 64.0 22.8 35,100	and the second s					
Learjet 25						
Mitsubishi Diamond MU-300 Learjet 35A/36A 143 39.6 48.6 12.6 18.000 Dolphin IA-50 101 64.1 48.8 19.1 16.200 BM-2A Trislander 65 53.0 49.3 14.2 10.000 Embraer-110 92 50.3 49.5 15.5 12.500 Casa C-212 Aviocar 81 62.3 50.0 21.0 13,889 Rockwell JC1121 130 43.3 50.4 15.8 16.800 HS-125-600 125 47.0 50.5 17.3 25,000 Cessna Citation III 114 50.6 51.6 17.0 17.000 DeH DHC-6 75 65.0 Volper Centennial 88 50.0 51.8 19.5 12.500 Volper Centennial 88 50.0 51.9 16.5 12.500 IAI-1124 Westwind 129 44.8 52.3 15.8 23.650 Ahrens 404 98 66.0 52.8 17.5 17.000 Dornier LTA 74* 58.4 54.4 18.2 15.100 Bansa HFB-320 125 47.5 54.5 16.2 20.280 Learjet 54-55-56 128 43.8 55.1 14.8 20.500 Air Matal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28.660 Shorts Skyvan 96 74.7 58.0 16.8 12.500 WORD-262 96 71.9 63.3 20.4 23.800 Gulfstream I						
Learjet 35A/36A 143 39.6 48.6 12.6 18,000 Dolphin IA-50 101 64.1 48.8 19.1 16,200 BM-2A Trislander 65 53.0 49.3 14.2 10,000 Embraer-110 92 50.3 49.5 15.5 12,500 Casa C-212 Aviocar 81 62.3 50.0 21.0 13,889 Rockwell JC1121 130 43.3 50.4 15.8 16,800 HS-125-600 125 47.0 50.5 17.3 25,000 Casa Citation III 114 50.6 51.6 17.0 17,000 DeH DHC-6 75 65.0 51.8 19.5 12,500 Volpar Centennial 88 50.0 51.9 16.5 12,500 IAI-1124 Westwind 129 44.8 52.3 15.8 23,650 Ahrans 404 98 66.0 52.8 17.5 17,000 Dornier LTA 74* 58.4 54.4 18.2 15,100 Hansa HFB-320 125 47.5 54.5 16.2 20,280 Laarjet 54-55-56 128 43.8 55.1 14.8 20,500 Air Hetal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Swaringen Metro 112 46.3 59.4 16.8 12,500 HORD-262 96 71.9 63.3 20.4 23,800						
Dolphin IA-50 101 64.1 48.8 19.1 16,200 BM-2A Trislander 65 53.0 49.3 14.2 10,000 Embraer-110 92 50.3 49.5 15.5 12,500 Casa C-212 Aviocar 81 62.3 50.0 21.0 13,889 Rockwell JC1121 130 43.3 50.4 15.8 16,800 HS-125-600 125 47.0 50.5 17.3 25,000 HS-125-700 125 47.0 50.7 17.6 25,000 Cessna Citation III 114 50.6 51.6 17.0 17,000 DeH DHC-6 75 65.0 51.8 19.5 12,500 Volpar Centennial 88 50.0 51.9 16.5 12,500 IAI-1124 Westwind 129 44.8 52.3 15.8 23,650 Ahrens 404 98 66.0 52.8 17.5 17.000 Dornier LTA 74* 58.4 54.4 18.2 15,100 Hansa HFB-320 125 47.5 54.5 16.2 20,280 Learjet 54-55-56 128 43.8 55.1 14.8 20,500 Air Matal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Swearingen Matro 112 46.3 59.4 16.8 12,500 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Swearingen Matro 112 46.3 59.4 16.8 12,500 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Swearingen Matro 112 46.3 59.4 16.8 12,500 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Swearingen Matro 112 46.3 59.4 16.8 12,500 Shorts Skyvan 96 74.7 58.0 16.8 12,500 Shorts Skyvan						
BN-2A Trislander 65 53.0 49.3 14.2 10,000 Embraer-110 92 50.3 49.5 15.5 12,500 Casa C-212 Aviocar 81 62.3 50.0 21.0 13,889 Rockwell JC1121 130 43.3 50.4 15.8 16,800 HS-125-600 125 47.0 50.5 17.3 25,000 HS-125-700 125 47.0 50.7 17.6 25,000 Casana Citation III 114 50.6 51.6 17.0 17,000 DeH DHC-6 75 65.0 51.8 19.5 12,500 Volpar Centennial 88 50.0 51.9 16.5 12,500 IAI-1124 Westwind 129 44.8 52.3 15.8 23,650 Ahrens 404 98 66.0 52.8 17.5 17,000 Dornier LTA 74* 58.4 54.4 18.2 15,100 Hansa HFB-320 125 47.5 54.5 16.2 20,280 Learjet 54-55-56 128 43.8 55.1 14.8 20,500 Air Matal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Breguet FAL-50 113 61.9 60.8 22.9 38,480 HORD-262 96 71.9 63.3 20.4 23,800 Gulfstress I 113 78.5 64.0 22.8 35,100						
Embraer-110 Casa C-212 Aviocar 81 62.3 50.0 21.0 13,889 Rockwell JC1121 130 43.3 50.4 15.8 16,800 HS-125-600 125 47.0 50.5 17.3 25,000 H8-125-700 125 47.0 50.7 17.6 25,000 Cessna Citation III 114 50.6 51.6 17.0 17,000 DeH DHC-6 75 65.0 51.8 19.5 12,500 Volpar Centennial 88 50.0 51.9 16.5 12,500 IAI-1124 Westwind 129 44.8 52.3 15.8 23,650 Ahrens 404 98 66.0 52.8 17.5 17,000 Dornier LTA 74* 58.4 54.4 18.2 15,100 Ransa HFB-320 125 47.5 54.5 16.2 20,280 Learjet 54-55-56 128 43.8 55.1 14.8 20,500 Air Matal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Breguet FAL-50 113 61.9 60.8 22.9 38,480 MORD-262 96 71.9 63.3 20.4 23,800 Gulfstresm I 113 78.5 64.0 22.8 35,100						
Casa C-212 Aviocar Rockwell JC1121 130 43.3 50.4 15.8 16,800 HS-125-600 125 47.0 50.5 17.3 25,000 H8-125-700 125 47.0 50.7 17.6 25,000 Cessna Citation III 114 50.6 51.6 17.0 17,000 DeH DHC-6 75 65.0 51.8 19.5 12,500 Volpar Centennial 88 50.0 51.9 16.5 12,500 IAI-1124 Westwind 129 44.8 52.3 15.8 23,650 Ahrens 404 98 66.0 52.8 17.5 17,000 Dornier LTA 74* 58.4 54.4 18.2 15,100 Hanse HFB-320 125 47.5 54.5 54.5 16.2 20,280 Learjet 54-55-56 128 43.8 55.1 14.8 20,500 Air Metal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Swearingen Metro 112 46.3 59.4 16.8 12.500 Lockheed 1329-25 132 54.4 60.4 20.4 44,500 Breguet FAL-50 113 61.9 60.8 22.9 38,480 MOED-262 96 71.9 63.3 20.4 23,800 Guifstream I 113 78.5 64.0 22.8 35,100						
Rockwell JC1121 130 43.3 50.4 15.8 16,800 HS-125-600 125 47.0 50.5 17.3 25,000 H8-125-700 125 47.0 50.7 17.6 25,000 Cessna Citation III 114 50.6 51.6 17.0 17,000 DeH DHC-6 75 65.0 51.8 19.5 12,500 Volper Centennial 88 50.0 51.9 16.5 12,500 IAI-1124 Westwind 129 44.8 52.3 15.8 23,650 Ahrens 404 98 66.0 52.8 17.5 17,000 Dornier LTA 74* 58.4 54.4 18.2 15,100 Hense HFB-320 125 47.5 54.5 16.2 20,280 Learjet 54-55-56 128 43.8 55.1 14.8 20,500 Air Mstal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Swearingen Metro 112 46.3 59.4 16.8 12,500 Lockheed 1329-25 132 54.4 60.4 20.4 44,500 Breguet FAL-50 113 61.9 60.8 22.9 38,480 MORD-262 96 71.9 63.3 20.4 23,800 Gulfstresm I 113 78.5 64.0 22.8 35,100						
HS-125-600						
H8-125-700 Cessna Citation III 114 50.6 51.6 17.0 17,000 Dell DHC-6 75 65.0 51.8 19.5 12,500 Volper Centennial 88 50.0 51.9 16.5 12,500 IAI-1124 Westwind 129 44.8 52.3 15.8 23,650 Ahrens 404 98 66.0 52.8 17.5 17,000 Dornier LTA 74* 58.4 54.4 18.2 15,100 Hansa HFB-320 125 47.5 54.5 16.2 20,280 Learjet 54-55-56 128 43.8 55.1 14.8 20,500 Air Metal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Swearingen Metro 112 46.3 59.4 16.8 12,500 Lockheed 1329-25 132 54.4 60.4 20.4 44,500 Breguet FAL-50 113 61.9 60.8 22.9 38,480 HORD-262 96 71.9 63.3 20.4 23,800 Gulfstresm I 113 78.5 64.0 22.8 35,100						
Cessna Citation III 114 50.6 51.6 17.0 17,000 DeH DHC-6 75 65.0 51.8 19.5 12,500 Volpar Centennial 88 50.0 51.9 16.5 12,500 IAI-1124 Westwind 129 44.8 52.3 15.8 23,650 Ahrens 404 98 66.0 52.8 17.5 17,000 Dornier LTA 74* 58.4 54.4 18.2 15,100 Hansa HFB-320 125 47.5 54.5 16.2 20,280 Learjet 54-55-56 128 43.8 55.1 14.8 20,500 Air Matal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Bwearingen Metro 112 46.3 59.4 16.8 12,500 Lockheed 1329-25 132 54.4 60.4 20.4 44,500 Breguet FAL-50 113 61.9 <						
DeH DHC-6 75 65.0 51.8 19.5 12,500 Volpar Centennial 88 50.0 51.9 16.5 12,500 IAI-1124 Westwind 129 44.8 52.3 15.8 23,650 Ahrens 404 98 66.0 52.8 17.5 17,000 Dornier LTA 74* 58.4 54.4 18.2 15,100 Hanse HFB-320 125 47.5 54.5 16.2 20,280 Learjet 54-55-56 128 43.8 55.1 14.8 20,500 Air Metal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Swearingen Metro 112 46.3 59.4 16.8 12,500 Lockheed 1329-25 132 54.4 60.4 20.4 44,500 Breguet FAL-50 113 61.9 60.8 22.9 38,480 WORD-262 96 71.9 63.3						
Volper Centennial 88 50.0 51.9 16.5 12,500 IAI-1124 Westwind 129 44.8 52.3 15.8 23,650 Ahrens 404 98 66.0 52.8 17.5 17,000 Dornier LTA 74* 58.4 54.4 18.2 15,100 Hanse HFB-320 125 47.5 54.5 16.2 20,280 Learjet 54-55-56 128 43.8 55.1 14.8 20,500 Air Metal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Swearingen Metro 112 46.3 59.4 16.8 12,500 Lockheed 1329-25 132 54.4 60.4 20.4 24,500 Breguet FAL-50 113 61.9 60.8 22.9 38,480 WORD-262 96 71.9 63.3						
IAI-1124 Westwind Ahrens 404 98 66.0 52.8 17.5 17,000 Dornier LTA 74* 58.4 54.4 18.2 15,100 Hense HFB-320 125 47.5 54.5 16.2 20,280 Learjet 54-55-56 128 43.8 55.1 14.8 20,500 Air Metal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Swearingen Metro 112 46.3 59.4 16.8 12,500 Lockheed 1329-25 132 54.4 60.4 20.4 44,500 Breguet FAL-50 113 61.9 60.8 22.9 38,480 MORD-262 96 71.9 63.3 20.4 23,800 Gulfstream I 113 78.5 64.0 22.8 35,100						
Ahrens 404 98 66.0 52.8 17.5 17,000 Dornier LTA 74* 58.4 54.4 18.2 15,100 Hense HFB-320 125 47.5 54.5 16.2 20,280 Learjet 54-55-56 128 43.8 55.1 14.8 20,500 Air Metal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Swearingen Metro 112 46.3 59.4 16.8 12,500 Lockheed 1329-25 132 54.4 60.4 20.4 44,500 Breguet FAL-50 113 61.9 60.8 22.9 38,480 MORD-262 96 71.9 63.3 20.4 23,800 Gulfstream I 113 78.5 64.0 22.8 35,100						
Dornier LTA 74* 58.4 54.4 18.2 15,100 Hense HFB-320 125 47.5 54.5 16.2 20,280 Learjet 54-55-56 128 43.8 55.1 14.8 20,500 Air Metal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Swearingen Metro 112 46.3 59.4 16.8 12,500 Lockheed 1329-25 132 54.4 60.4 20.4 44,500 Breguet FAL-50 113 61.9 60.8 22.9 38,480 MORD-262 96 71.9 63.3 20.4 23,800 Gulfstream I 113 78.5 64.0 22.8 35,100						
Hense HFB-320 125 47.5 54.5 16.2 20,280 Learjet 54-55-56 128 43.8 55.1 14.8 20,500 Air Metal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Swearingen Metro 112 46.3 59.4 16.8 12,500 Lockheed 1329-25 132 54.4 60.4 20.4 44,500 Breguet FAL-50 113 61.9 60.8 22.9 38,480 MORD-262 96 71.9 63.3 20.4 23,800 Gulfstream I 113 78.5 64.0 22.8 35,100						
Learjet 54-55-56 128 43.8 55.1 14.8 20,500 Air Metal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Swearingen Metro 112 46.3 59.4 16.8 12,500 Lockheed 1329-25 132 54.4 60.4 20.4 44,500 Breguet FAL-50 113 61.9 60.8 22.9 38,480 MORD-262 96 71.9 63.3 20.4 23,800 Gulfstream I 113 78.5 64.0 22.8 35,100						
Air Netal C-111 96 63.0 55.2 21.0 18,629 Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Swearingen Metro 112 46.3 59.4 16.8 12,500 Lockheed 1329-25 132 54.4 60.4 20.4 44,500 Breguet FAL-50 113 61.9 60.8 22.9 38,480 NORD-262 96 71.9 63.3 20.4 23,800 Gulfstram I 113 78.5 64.0 22.8 35,100						
Breguet FAL-20 107 53.5 56.3 17.4 28,660 Shorts Skyvan 96 74.7 58.0 16.3 24,000 Swearingen Metro 112 46.3 59.4 16.8 12,500 Lockheed 1329-25 132 54.4 60.4 20.4 44,500 Breguet FAL-50 113 61.9 60.8 22.9 38,480 WORD-262 96 71.9 63.3 20.4 23,800 Gulfstrum I 113 78.5 64.0 22.8 35,100						
Shorts Skyvan 96 74.7 58.0 16.3 24,000 Swearingen Metro 112 46.3 59.4 16.8 12,500 Lockheed 1329-25 132 54.4 60.4 20.4 44,500 Brequet FAL-50 113 61.9 60.8 22.9 38,480 MORD-262 96 71.9 63.3 20.4 23,800 Gulfstream I 113 78.5 64.0 22.8 35,100						
Swearingen Metro 112 46.3 59.4 16.8 12,500 Lockheed 1329-25 132 54.4 60.4 20.4 44,500 Brequet FAL-50 113 61.9 60.8 22.9 38,480 NORD-262 96 71.9 63.3 20.4 23,800 Gulfstream I 113 78.5 64.0 22.8 35,100						
Lockheed 1329-25 132 54.4 60.4 20.4 44,500 Breguet FAL-50 113 61.9 60.8 22.9 38,480 WORD-262 96 71.9 63.3 20.4 23,800 Gulfstream I 113 78.5 64.0 22.8 35,100						
Brequet FAL-50 113 61.9 60.8 22.9 38,480 MORD-262 96 71.9 63.3 20.4 23,800 Gulfstream I 113 78.5 64.0 22.8 35,100						
WORD-262 96 71.9 63.3 20.4 23,800 Gulfstream I 113 78.5 64.0 22.8 35,100						
Gulfstream I 113 78.5 64.0 22.8 35,100						
	Culfstream I					
	MDC-DC-3	72				

(__i

	Appch Speed	Wing Sp a n	Length	Tail Height	Maximum TOGW
Aircraft	(Knots)	(Feet)	(Feet)	(Feet)	(Lbs)
		01 7	65.9	25.3	25,000
AIDC-XC-2	86	81.7 82.2	66.8	55.8	35,275
Yakovlev YAK-40	128*	98.5	67.0	24.8	46,500
Hindustani-748	94	98.5	67.0	24.8	46,500
HS-748 Andover	94	70.0	67.3	24.9	28,900
GAC-100	86	70.5	67.5	25.6	44,000
Fokker VFW-614	111	61.8	68.4	20.7	32,500
Canadair CL-600	125	91.2	68.4	25.4	36,400
Casa C-207A Azor	102 78	104.0	70.0	30.5	38,000
Ilyushin IL-12	76	95.6	72.6	31.8	28,500
DeH DHC-4	98	93.3	74.6	28.7	44,900
Martin-404	107	91.8	74.7	26.9	41,790
Convair 240	88	94.7	75.5	24.1	43,000
HP Herald	88	110.0	75.8	34.1	60,000
Fairchild C-123	119	95.8	77.2	27.3	48,060
Antonov AN-24	109	95.2	77.2	27.5	42,000
Fairchild F-27	59	76.7	77.9	31.7	26,500
Breguet 914S	100	98.2	78.0	30.1	50,000
HS-748 Andover C	121	95.8	78.1	28.1	52,920
Antonov AN-26	91	96.0	79.0	28.7	49,200
DeH DHC-5	109	94.5	79.2	38.5	58,422
Aeritalia G-222	104	105.6	79.2	28.2	47,000
Convair 340 Convair 440	106	105.3	79.2	28.2	49,100
Gulfstream II	141	68.8	79.9	24.5	65,500
Gulfstream II-TT	142	71.7	79.9	24.5	66,000
Antonov AN-30	112	96.4	80.1	27.3	51,040
DeH Dash 7	83	93.0	80.7	26.2	44,000
Convair 580	107	105.3	81.5	29.1	54,600
Fokker F-27	102	95.2	82.2	27.6	45,000
Gulfstream III	136	77.8	82.7	23.2	68,700
Fairchild FH-227	105	95.1	83.0	27.5	45,500
Vickers VC-2	122	94.0	85.7	26.9	72,500
Nihon YS-11	98	105.0	86.3	29.5	54,010
Fairchild C-119	122	109.2	86.5	26.2	74,400
Antonov AN-72	89*	84.8	87.1	27.0	63,935
AW-660 Argosy	113	115.0	89.1	27.0	97,000
AW-650 Argosy	123	115.0	89.8	29.3	93,000
Fokker F-28-1000	119	77.4	89.9	27.8	65,000
Fokker F-28-3000	121	82.3	89.9	27.8	71,000
HS-146	117	86.5	93.1	28.3	87,500
BAC-111-200	129	88.5	93.5	24.5	79,000 88,500
BAC-111-300	128	88.5	93.5	24.5	88,500
BAC-111-400	137	88.6	93.5	24.6	98,500
BAC-111-475	135	93.5	93.5	24.5	73,200
MDC-DC-4	95	117.5	93.8	27.9	116,000
Boeing 737	137	93.0	94.0	37.2 32.9	85,320
Kawasaki C-l	118*	100.4	95.1	22.4	107,000
Lockheed 749	93	123.0	95.2	27.8	65,000
Tokker F-28-2000	119	77.4	97.1	27.8	71,000
Tokker F-28-4000	121	82.3	97.1	2/10	,

ا محدر					Wing Speci Creat	Langth (Fast)	Teil Height (Feet)	Your Took (Lba)	•
		0.	* * * * * * * * * * * * * * * * * * *		82.3	97.1	27.8	70,400	
 			×.		119.7	97.8	38.0	84,000	
	-				100.3	98.4	32.8	85,300	
	was to his to A	3.02 C	* Je -		83.6	100.3	50.0	83,775	
	The second				119.1	104.2	37.2	95,900	*
		119 04		156	89.4	104.4	27.5	90,700	
	Some Fig.			128	93,5	104.4	27.5	98,000	
*	and the state of		e s	123	99.0	104.5	32.8	116,000	
			المعالم المارا	187	112.5	105.0	28.6	114,640	
	Leading III	0-20.		10	132.6	106.1	38.4	155,800	
	Trackle C-	2002	\$	124	131.3	106.3	40.6	112,435 107,000	
		₹ 5 €			117.5	106.7	28.7 24.5	104,500	
7.					93,5	107.0 109.0	34.6	134,480	
		12 to 1 200		\$ 57	124. \$ 141. 3	110.3	38.3	145,800	· #:
	A A	4.18			127.5	112.3	31.8	143,000	
	A 100 PM	31. (g).	3		53.6	112.4	18.5	170,000	
	-		17		132.6.	112.7	38.4	155,000	
			A de la		123.0	113.3	24.8	142,100	
	Market Services		· 旅游· •		95.0	114.8	27.0	135,500	
	The second second		ige or deal in a	76	40.3	114.8	27.0	144,000	
			3 3 A 1		114.3	114.5	50.0	114,640	
Ž1 *	The state of the state of	7 /3			150,0	116.2	24.8	160,000	
	Property For A Party Party		10 No.	114	987	146.8	33.7	135,000	
					121,7	117.8	33.3	141,100	
ż	- CA 24 - A		7 T T 1		114.3	118.0	29.5	162,000	
						119.4	27.5	121/000	
	ANTON AT AN	405.1	11811	. 100	14.5	121.4	32.2	121,500	
,	Tables To	-120.	. 7. m.		95.2	191.7	30.0	103,600	
					175-6	122.9	35.0 37.5	185,000	
		it in the second		11		124,2	28.6	114,000	W
	mark his hading	● _e.en				123.7 126.7	29.7	177,500	
		#	* a * *			129.3	36.3	193,000	£." -
						131.2	28.3	150,000	4
	market out or wall		- 1) (3	all G		121.5	28.3	150.000	
			ù S			131.7 139.2 139.3 139.3 138.4	48.3 34.3	237,000	<u>}</u>
,		1	5. 7.		107.5	133.2	34.3	170,000	
. h V	ment of the		W. Charles		1973	139.5	28.6		<u>.</u>
	Samuel Same	3. • • ₹	6.49			134.4	22.5 37.5	134,523	
	and the state of		D - 25 %			135.4	47.0	230,000	1
	and the state of t		8.16			131,7	41.5	250,000	
. **** 	the state of the s	A. C. A.N.	* 2. * A.			136.7	41.2	235,250	4
			Marie Constitution			126.0	15.6	210,310	i.
							9.3	253,000	
							55.0	257,600	
je. je						142.0		23,00	
7.4							41.7		क् _र ्र, [™] रै अ !
	The second second						36.2	110.000	¥.,
- F	War State of Boar	A service de la constante de l					Santa de Caracteria	Contract.	Direct

	Appch Speed	Wing Span	Length	Tail Height	Maximum TOGW
Aircraft	(Knots)	(Feet)	(Feet)	(Feet)	(Lbs)
	X3333 33 Z	<u> </u>	75.55	<u> </u>	
MDC-DC-9-82	135	107.9	147.9	29.6	147,000
Rockwell B-1	165*	136.7	150.3	33.6	389,800
MDC-DC-8-10/20	131	142.4	150.5	42.3	276,000
MDC-DC-8-30/40	133	142.4	150.5	42.3	315,000
MDC-DC-8-50	137	142.4	150.5	42.3	325,000
Ilyushin IL-76	119	165.7	152.8	48.4	374,790
Boeing 707-320	139	145.5	152.9	42.2	316,000
Boeing 707-320B	136	145.5	152.9	42.2	336,000
Boeing 707-420	132	145.5	152.9	42.2	316,000
Boeing E-3	137	145.9	153.0	42.0	325,000
Boeing 727-200	138	107.9	153.2	34.9	210,000
Boeing 757	135	124.5	154.6	44.5	220,000
A-310 Airbus	125	144.0	154.9	51.9	288,000
MDC-DC-8-62	124	148.4	157.4	42.3	350,000
MDC-C-133	128	179.7	157.5	48.3	300,000
Tupolev TU-154	145	123.4	157.5	37.4	198,450
Boeing B-52	141*	185.0	157.6	40.8	488,000
Vickers VC-10-1100	128	146.2	158.7	39.5	312,000
Boeing 767	130	156.3	159.1	52.0	300,000
Lockheed 1011-400	144	157.4	164.3	55.3	374,500
Lockheed 1011-500	148	164.3	164.3	55.3	504,000
Lockheed C-141B	129	160.1	168.2	39.3	325,000
Vickers VC-10-1150	138	146.2	171.7	39.5	335,100
Ilyushin IL-62	152	142.0	174.3	40.7	357,000
A-300 Airbus	132	147.1	175.9	54.2	429,900
Lockheed 1011-1	138	155.3	177.7	55.3	430,000
Lockheed 1011-100	140	155.3	177.7	55.3	466,000
Lockheed 1011-200	140	155.3	177.7	55.3	466,000
Lockheed 1011-250	144	155.3	177.7	55.3	496,000
Boeing 777	145	155.0	181.5	44.8	380,000
MDC-DC-10-10	138	155.3	182.4	58.1	455,000
MDC-DC-10-30/40	151	165.4	182.4	58.1	580,000
Boeing 747-SP	140	195.7	184.7	65.8	686,000
MDC-DC-8-61	142	142.4	187.4	42.3	328,000
MDC-DC-8-63	147	148.4	187.4	42.3	355,000
Tupolev TU-114	132*	167.7	189.0	50.0	376,990
Antonov AN-22	140*	211.3	189.6	41.2	551,160
Ilyushin IL-86	141	158.6	191.9	51.5	414,470
Concorde	162	83.8	203.8	40.0	408,000
Tupolev TU-144	178	94.8	215.5	42.2	396,830
Boeing E-4	152	195.7	231.8	64.7	830,000
Boeing 747	152	195.7	231.8	64.7	830,000
Boeing 747-SR	141	195.7	231.8	65.5	603,000
Lockheed C-5A	135	222.8	247.8	65.1	769,000

^{*}Approach speeds estimated.

CURRENT AIRCRAFT ARRANGED BY TAIL HEIGHT

(Sources: Jane's All the World's Aircraft, Aviation Week and Space Technology, AC 150/5325-5B, and Flight Handbooks)

Aircraft	Appch Speed (Knots)	Wing Span (Feet)	Length (Feet)	Tail Height (Feet)	Maximum TOGW (Lbs)
Cessna-150	55	33.3	24.1	8.5	1,670
Beech A-36	72	33.5	27.5	8.6	3,650
Cessna-177	64	35.5	27.2	8.6	2,500
DeH DHC-2	50 .	48.0	30.3	9.0	5,100
Hamilton Westwind	96	46.0	45.0	9.2	12,495
Volpar Turbo 18	100	46.0	37.4	9.6	10,286
Foxjet 600	97	31.6	31.5	10.2	4,449
Beech E-18	87	49.2	35.1	10.5	8,750
Pilatus PC-6 Porter	57	49.7	37.4	10.5	4,850
Partenavia 68B Victor	73	39.4	30.7	11.2	4,321
Cessna-402	95	44.1	36.3	11.4	6,850
Cessna-414	94	44.1	36.4	11.5	6,785
Learfan 2100	86	39.3	38.7	11.5	7,200
Piper Aerostar	94	36.7	34.8	12.1	6,000
Embraer-326	102	35.6	35.0	12.2	11,500
Learjet 24	128	35.6	43.2	12.6	13,500
Learjet 25	137	35.6	47.6	12.6	15,000
Learjet 28/29	120	42.2	45.0	12.6	15,000
Learjet 35A/36A	143	39.6	48.6	12.6	18,000
Piper Cheyenne	110	42.7	32.1	12.6	10,500
Dornier DO-28	74	51.0	37.5	12.8	8,853
Cessna-421	96	41.1	36.4	12.9	7,500
Mitsubishi Solitaire	87	39.1	33.2	12.9	10,470
Embraer-820	74	40.7	34.6	13.0	7,000
Piper Navajo	100	40.7	32.6	13.0	6,500
AJI Hustler	98	34.3	41.0	13.1	9,500
Cessna-441	100	49.3	39.0	13.1	9,850
PZL-AN-2	54	59.7	40.7	13.1	12,125
Cessna-404	92	46.3	39.5	13.3	8,450
DeH Dove-104	84	57.0	39.5	13.3	8,950
Mitsubishi Marquise	88	39.1	39.4	13.6	11,575
Mitsubishi MU-2	119	39.1	39.5	13.6	10,800
Mitsubishi Diamond MU-300	100	43.4	48.3	13.7	13,890
SN-600 Corvette	118	42.2	45.4	13.9	14,550
Lapan XT-400	75	47.9	33.5	14.1	5,555
Beech E-90	98	50.3	35.5	14.2	10,100
BN-2A Trislander	65	53.0	49.3	14.2	10,000
Beech B-99	96	45.9	44.6	14.3	10,900
Cessna Citation I	108	47.1	43.5	14.3	11,850
Cessna Citation II	108	51.6	47.2	14.8	13,300
Learjet 54-55-56	128	43.8	55.1	14.8	20,500

Aircraft	Appch Speed (Knots)	Wing Span (Feet)	Length (Feet)	Tail Height (Feet)	Maximum TOGW
		7-0207	(reer)	(reel)	(Lbs)
Rockwell 840	98	52.1	42.9	14.9	10,325
Rockwell 980	121	52.1	42.9	14.9	10,325
Beech 200	106	54.5	43.8	15.0	12,500
Rockwell 690	97	46.5	44.3	15.0	10,250
Antonov AN-28	88	72.4	42.6	15.1	13,450
Beech F-90	108	45.9	39.8	15.1	10,950
Breguet FAL-10	104	42.9	45.5	15.1	18,740
PZL-AN-28	85	72.2	42.6	15.1	13,450
Yu Shi-11 Antonov AN-14	80*	55.7	39.4	15.1	7,150
Beech 100	52	72.1	37.5	15.2	7,935
Embraer-110	92	45.8	39.9	15.4	11,500
DeH Heron-114	92 85	50.3	49.5	15.5	12,500
IAI-1124 Westwind	85	71.5	45.5	15.6	13,500
Piaggio PD-808	129	44.8	52.3	15.8	23,650
Rockwell JC1121	. 117	43.3	42.2	15.8	18,300
Embraer-121	130 92	43.3	50.4	15.8	16,800
Rockwell Sabre 40	120	47.4	40.2	15.9	12,500
Rockwell Sabre 60	120	44.4	43.8	16.0	18,650
Rockwell Sabre 65	105	50.4	46.9	16.0	20,172
Hansa HFB-320	125	50.4	46.9	16.0	24,000
Shorts Skyvan	96	47.5 74.7	54.5	16.2	20,280
Piaggio P-166 Portofino	82	48.2	58.0	16.3	24,000
HS-125-1/400	124	47.0	39.2	16.4	9,480
Volpar Centennial	88	50.0	47.4 51.9	16.5	26,500
Swearingen Merlin	105	46.3	42.2	16.5	12,500
Swearingen Metro	112	46.3	59.4	16.8	12,500
Cessna Citation III	114	50.6	51.6	16.8 17.0	12,500
IAI Arava-201	81	68.8	42.8	17.0	17,000
Rockwell Sabre 75A	137	- 44.7	47.2	17.2	15,000
HS-125-600	125	47.0	50.5	17.3	23,000 25,000
Rockwell Sabre 80	128	50.4	47.2	17.3	24,500
Breguet FAL-20	107	53.5	56.3	17.4	28,660
Ahrens 404	98	66.0	52.8	17.5	17,000
HP Jetstream	99	52.0	47.1	17.5	12,566
PZL-M-15	62	73.5	41.8	17.5	12,465
HS-125-700	125	47.0	50.7	17.6	25,000
Nomad N-22	69	54.0	41.2	18.1	8,500
Nomad N-24	73	54.0	47.1	18.1	9,400
Dornier LTA	74*	58.4	54.4	18.2	15,100
Lockheed SR-71	180	55.6	112.4	18.5	170,000
Dolphin IA-50	101	64.1	48.8	19.1	16,200
LET L-410	81	63.9	47.4	19.1	12,566
DeH DHC-6	75 ·	65.0	51.8	19.5	12,500
Lockheed 1329-25	132	54.4	60.4	20.4	44,500
NORD-262	96	71.9	63.3	20.4	23,800
Canadair CL-600	125	61.8	68.4	20.7	32,500
Air Metal C-111	96	63.0	55.2	21.0	18,629
Casa C-212 Aviocar	81	62.3	50.0	21.0	13,889
Lockheed 749	93	123.0	95.2	22.4	107,000

	Appch Speed	Wing Span	Length	Tail Height	Maximum TOGW
<u>Aircraft</u>	(Knots)	(Feet)	(Feet)	(Feet)	(Lbs)
Gulfstream I	113	78.5	64.0	22.8	35,100
Breguet FAL-50	113	61.9	60.8	22.9	38,480
Gulfstream III	136	77.8	82.7	23.2	68,700
MDC-DC-3	72	95.0	64.5	23.5	25,200
HP Herald	88	94.7	75.5	24.1	43,000
BAC-111-200	129	88.5	93.5	24.5	79,000
BAC-111-300	128	88. 5	93.5	24.5	88,500
BAC-111-475	135	93.5	93.5	24.5	98,500
BAC-111-500	144	93.5	107.0	24.5	104,500
Gulfstream II	141	68.8	79.9	24.5	65,500
Gulfstream II-TT	142	71.7	79.9	24.5	66,000
BAC-111-400	137	88.6	93.5	24.6	88,500
Hindustani-748	94	98.5	67.0	24.8	46,500
HS-748 Andover	94	98.5	67.0	24.8	46,500
Lockheed 1049	113	123.0	113.3	24.8	142,100
Lockheed 1649	89	150.0	116.2	24.8	160,000
GAC-100	86	70.0	67.3	24.9	28,900
AIDC-XC-2	86	81.7	65.9	25.3	25,000
Casa C-207A Azor	102	91.2	68.4	25.4	36,400
Fokker VFW-614	111	70.5	67.5	25.6	44,000
DeH Dash 7	83	93.0	80.7	26.2	44,000
Fairchild C-119	122	109.2	86.5	26.2	74,400
Convair 240	107	91.8	74.7	26.9	41,790
Vickers VC-2	122	94.0	85.7	26.9	72,500
Antonov AN-72	89*	84.8	87.1	27.0	63,935
AW-660 Argosy	113	115.0	89.1	27.0	97,000
DeH Trident 121-2	137	95.0	114.8	27.0	135,500
DeH Trident 121-2B	138	98.0	114.8	27.0	144,000
Antonov AN-24	119	95.8	77.2	27.3	48,060
Antonov AN-30	112	96.4	80.1	27.3	51,040
Fairchild FH-227	105	95.1	83.0	27.5	45,500
Fairchild F-27	109	95.2	77.2	27.5	42,000
MDC-DC-9-10/15	134	89.4	104.4	27.5	90,700
MDC-DC-9-20	124	93.5	104.4	27.5	98,000
MDC-DC-9-30	127	93.5	119.4	27.5	121,000
Fokker F-27	102	95.2	82.2	27.6	45,000
Fokker F-28-1000	119	77.4	89.9	27.8	65,000
Fokker F-28-2000	119	77.4	97.1	27.8	65,000
Fokker F-28-3000	121	82.3	89.9	27.8	71,000
Fokker F-28-4000	121	82.3	97.1	27.8	71,000
Fokker F-28-6000	113	82.3	97.1	27.8	70,800
MDC-DC-4	95	117.5	93.8	27.9	73,200
Antonov AN-26	121	95.8	78.1	28.1	52,920
Convair 340	104	105.6	79.2	28.2	47,000
Convair 440	106	105.3	79.2	28.2	49,100
DeH Trident 121-3	143	98.0	131.2	28.3	158,000
DeH Trident 121-3B	146	98.0	131.2	28.3	158,000
HS-146	117	86.5	93.1	28.3	87,500
MDC-DC-9-40	129	93.5	125.7	28.6	114,000
MDC-DC-9-50	132	93.5	133.5	28.6	121,000

	Appch Speed	Wing Span	Length	Tail Height	Maximum TOGW
Aircraft	(Knots)	(Feet)	(Feet)	(Feet)	(Lbs)
SUD-210 Caravelle	127	112.5	105.0	28.6	114,640
DeH DHC-5	91	96.0	79.0	28.7	49,200
Martin-404	98	93.3	74.6	28.7	44,900
MDC-DC-6A/B	108	117.5	106.7	28.7	107,000
Convair 580	107	105.3	81.5	29.1	54,600
AW-650 Argosy	123	115.0	89.8	29.3	93,000
DeH Comet 4C	108	114.9	118.0	29.5	162,000
Nihon YS-11	98:	105.0	86.3	29.5	54,010
MDC-DC-9-82	135	107.9	147.9	29.6	147,000
HS-Nimrod Mk2	125*	114.8	126.7	29.7	177,500
Tupolev TU-134	144	95.2	121.7	30.0	103,600
HS-748 Andover C	100	98.2	78.0	30.1	50,000
MDC-DC-9-80	132	107.9	147.9	30.2	140,000
Ilyushin IL-12	78	104.0	70.0	30.5	38,000
Breguet 914S	59	76.7	77.9	31.7	26,500
DeH DHC-4	<i>1</i> 7	95.6	72.6	31.8	28,500
MDC-DC-7	110	127.5	112.3	31.8	143,000
Antonov AN-10	126	124.8	121.4	32.2	121,500
Lockheed 188	123	99. 0	104.5	32.8	116,000
NAI-QSTOL	85	100.3	98.4	32.8	85,300
Kawasaki C-l	118*	100.4	95.1	32.9	85,320
Ilyushin IL-18	103	122.7	117.8	33.3	141,100
Rockwell B-1	165*	136.7	150.3	33.6	389,800
Lockheed P-3	134	99.7	116.8	33.7	135,000
Fairchild C-123	88	110.0	75.8	34.1	60,000
Boeing 727-100	125	107.9	133.2	34.3	170,000
Antonov AN-12	127	124.8	109.0	34.6	134,480
Boeing 727-200	138	107.9	153.2	34.9	210,000
Vickers Vanguard	119	118.6	122.9	35.0	146,500
Convair 880	155	120.0	129.3	36.3	193,000
Boeing 737	137	93.0	94.0	37.2	116,000 95,900
Breguet 1150	130*	119.1	104.2	37.2	154,323
Breguet 200	117	104.8	134.4	37.3	198,450
Tupolev TU-154	145	123.4	157.5	37.4	185,000
Bristol Brittania	117	142.2	124.2	37.5	84,000
Lockheed 400	121*	119.7	97.8	38.0	145,800
Boeing 377	105	141.3	110.3	38.3	155,800
Lockheed 100-20	137	132.6	106.1	38.4	155,000
Lockheed 100-30	129	132.6	112.7	38.4	58,422
Aeritalia G-222	109	94.5	79.2	38.5	210,500
Canadair CL-44	123	142.3	136.8	38.6	325,000
Lockheed C-141A	129	160.1	145.0	39.3 39.3	325,000
Lockheed C-141B	129	160.1	168.2		253,000
Convair 990	156	120.0	139.2	39.5 39.5	312,000
Vickers VC-10-1100	128	146.2	158.7	39.5	335,100
Vickers VC-10-1150	138	146.2	171.7		408,000
Concorde	162	83.8	203.8	40.0 40.6	112,435
Transall C-160	124	131.3	106.3	40.7	357,000
Ilyushin IL-62	152	142.0	174.3		488,000
Boeing B-52	141*	28 185.0	157.6	40.8	400,000

Aircraft	Appeh Speed (Knots)	Wing Span (Feet)	Length (Feet)	Tail Height (Feet)	Maximum TOGW (Lbs)
Antonov AN-22	140*	211.3	189.6	41.2	551,160
Boeing 720B	137	130.8	136.7	41.2	235,000
Boeing 720	133	130.8	136.7	41.5	230,000
Boeing 707-100	139	130.8	145.1	41.7	258,000
Boeing 707-200	145	130.8	145.1	41.7	258,000
Boeing E-3	137	145.9	153.0	42.0	325,000
Boeing 707-320	139	145.5	152.9	42.2	316,000
Boeing 707-320B	136	145.5	152.9	42.2	336,000
Boeing 707-420	132	145.5	152.9	42.2	316,000
Tupolev TU-144	178	94.8	215.5	42.2	396,830
MDC-DC-8-10/20	131	142.4	150.5	42.3	276,000
MDC-DC-8-30/40	133	142.4	150.5	42.3	315,000
MDC-DC-8-50	137 ·	142.4	150.5	42.3	325,000
MDC-DC-8-61	142	142.4	187.4	42.3	328,000
MDC-DC-8-62	124	148.4	157.4	42.3	350,000
MDC-DC-8-63	147	148.4	187.4	42.3	355,000
Boeing 757	135	124.5	154.6	44.5	220,000
Boeing 777	145	155.0	181.5	44.8	380,000
Shorts Belfast	126	158.9	136.4	47.0	230,000
Boeing YC-14 MDC-C-133	89	129.0	131.7	48.3	237,000
	128	179.7	157.5	48.3	300,000
Ilyushin IL-76 Tupolev TU-114	119	165.7	152.8	48.4	374,790
Tupolev TU-124	132*	167.7	189.0	50.0	376,990
Yakovlev YAK-42	132*	83.8	100.3	50.0	83,775
Ilyushin IL-86	128*	114.8	114.8	50.0	114,640
A-310 Airbus	141	158.6	191.9	51.5	414,470
Boeing 767	125	144.0	154.9	51.9	288,000
Lockheed 1011-600	130	156.3	159.1	52.0	300,000
A-300 Airbus	140*	142.8	141.0	53.0	297,000
Lockheed 1011-1	132	147.1	175.9	54.2	429,900
Lockheed 1011-100	138	155.3	177.7	55.3	430,000
Lockheed 1011-200	140	155.3	177.7	55.3	466,000
Lockheed 1011-250	140	155.3	177.7	55.3	466,000
Lockheed 1011-400	144	155.3	177.7	55.3	496,000
Lockheed 1011-500	144	157.4	164.3	55.3	374,500
Yakovlev YAK-40	148	164.3	164.3	55.3	504,000
MDC-DC-10-10	128*	82.2	66.8	55.8	35,275
MDC-DC-10-30/40	138	155.3	182.4	58.1	455,000
Boeing E-4	151	165.4	182.4	58.1	580,000
Boeing 747	152	195.7	231.8	64.7	830,000
Lockheed C-5A	152	195.7	231.8	64.7	830,000
Boeing 747-SR	135	222.8	247.8	65.1	769,000
Boeing 747-SP	141	195.7	231.8	65.5	603,000
	140	195.7	184.7	65.8	686,000

^{*}Approach speeds estimated.

CURRENT AIRCRAFT ARRANGED BY MAXIMUM TAKEOFF GROSS WEIGHT

(Sources: Jame's All the World's Aircraft, Aviation Week and Space Technology, AC 150/5325-5B, and Flight Handbooks)

Aircraft	Appeh Speed (Knots)	Wing Span (Feet)	Length (Feet)	Tail Height (Feet)	Maximum TOGH (Lbs)
Cessna-150	55	33.3	24.1	8.5	1,670
Cessna-177	64	35.5	27.2	8.6	2,500
Beech A-36	72	33.5	27.5	8.6	3,650
Partenavia 68B Victor	73	39.4	30.7	11.2	4,321
Foxjet 600	97	31.6 49.7	31.5	10.2	4,449
Pilatus PC-6 Porter	57 50	49.7 48.0	37.4	10.5	4,850
DeH DHC-2	75	47.9	30.3 33.5	9.0 14.1	5,100
Lapan XT-400	75 94	36.7	34.8	12.1	5,555 6,000
Piper Aerostar Piper Navajo	100	40.7	32.6	13.0	6,500
Cessna-414	94	44.1	36.4	11.5	6,785
Cessna-414	95	44.1	36.3	11.4	6,850
Embraer-820	74	40.7	34.6	13.0	7,000
Yu Shi-11	804	55.7	39.4	15.1	7,150
Learfan 2100	86	39.3	38.7	11.5	7,200
Cessna-421	96	41.1	36.4	12.9	7,500
Antonov AN-14	52	72.1	37.5	15.2	7,935
Cessna-404	92	46.3	39.5	13.3	8,450
Nomad N-22	69	54.0	41.2	18.1	8,500
Beech E-18	87	49.2	35.1	10.5	8,750
Dornier DO-28	74	51.0	37.5	12.8	8,853
DeH Dove-104	84	57.0	39.5	13.3	8,950
Nomad N-24	73	54.0	47.1	18.1	9,400
Piaggio P-166 Portofino	8 2	48.2	39.2	16.4	9,480
AJI Bustler	98	34.3	41.0	13.1	9,500
Cessna-441	100	49.3	39.0	13.1	9,850
BN-2A Trislander	65	53.0	49.3	14.2	10,000
Beech E-90	98	50.3	35.5	14.2	10,100
Rockwell 690	97	46.5	44.3	15.0	10,250
Volpar Turbo 18	100	46.0	37.4	9.6	10,286
Rockwell 840	98	52.1	42.9	14.9	10,325
Rockwell 980	121	52.1	42.9	14.9	10,325
Mitsubishi Solitaire	87	39.1	33.2	12.9	10,470
Piper Cheyenne	110	42.7	32.1	12.6	10,500
Mitsubishi MU-2	119	39.1	39.5	13.6	10,800
Beech B-99	96	45.9	44.6	14.3	10,900
Beech F-90	108	45.9	39.8	15.1	10,950
Beech 100	92	45.8	39.9	15.4	11,500
Embraer-326	102	35.6	35.0	12.2	11,500
Mitsubishi Marquise	88	39.1	39.4	13.6	11,575
Cessna Citation I	108	47.1	43.5	14.3	11,850

	Appeh Speed	Wing Span	Length	Tail Height	Maximum TOGW
<u>Aircraft</u>	(Knots)	(Feet)	(Feet)	(Feet)	(Lbs)
PZL-AN-2	54	59.7	40.7	13.1	12,125
PZL-H-15	62	73.5	41.8	17.5	12,465
Hamilton Westwind	96	46.0	45.0	9.2	12,495
Beech 200	106	54.5	43.8	15.0	12,500
Dell DMC-6	75	65.0	51.8	19.5	12,500
Embraer-110	92	50.3	49.5	15.5	12,500
Embraer-121	92	47.4	40.2	15.9	12,500
Swearingen Merlin	105	46.3	42.2	16.8	12,500
Swearingen Metro	112	46.3	59.4	16.8	12,500
Volper Centennial	88	50.0	51.9	16.5	12,500
HP Jetstream	99	52.0	47.1	17.5	12,566
LET L-410	81	63.9	47.4	19.1	12,566
Cessna Citation II	108	51.6	47.2	14.8	13,300
Antonov AN-28	88	72.4	42.6	15.1	13,450
PZL-AH-28	85	72.2	42.6	15.1	13,450
Dell Rezon-114	85	71.5	45.5	15.6	13,500
Learjet 24	128	35.6	43.2	12.6	13,500
Casa C-212 Aviocar	81	62.3	50.0	21.0	13,889
Mitsubishi Dismond MU-300	100	43.4	48.3	13.7	13,890
SN-600 Corvette	118	42.2	45.4	13.9	14,550
IAI Arava-201	81	68.8	42.8	17.1	15,000
Learjet 25	137	35.6	47.6	12.6	15,000
Learjet 28/29	120	42.2	45.0	12.6	15,000
Dornier LTA	74*	58.4	54.4	18.2	15,100
Dolphin IA-50	101	64.1	48.8	19.1	16,200
Rockwell JC1121	130	43.3	50.4	15.8	16,800
Ahrens 404	98	66.0	52.8	17.5	17,000
Cessna Citation III	114	50.6	51.6	17.0	17,000
Learjet 35A/36A	143	39.6	48.6	12.6	18,000
Piaggio PD-806	117	43.3	42.2	15.8	18,300
Air Netal C-111	96	63.0	55.2	21.0	18,629
Rockwell Sabre 40	120	44.4	43.8	16.0	18,650
Breguet FAL-10	104	42.9	45.5	15.1	18,740
Rockwell Sabre 60	120	50.4	46.9	16.0	20,172
Menee HFB-320	125	47.5	54.5	16.2	20,280
Learjet 54-55-56	128	43.8	55.1	14.8	20,500
Rockwell Sabre 75A	137	44.7	47.2	17.2	23,000
IAI-1124 Westwind	129	44.8	52.3	15.8	23,650
NORD-262	96	71.9	63.3	20.4	23,800
Rockwell Sabre 65	105	50.4	46.9	16.0	24,000
Shorts Skyvan	96	74.7	58.0	16.3	24,000
Rockwell Sabre 80	128	50.4	47.2	17.3	24,500
AIDC-EC-2	86	81.7	65.9	25.3	25,000
HS-125-600	125	47.0	50.5	17.3	25,000
HS-125-700	125	47.0	50.7	17.6	25,000
MDC-DC-3	72	95.0	64.5	23.5	25,200
Breguet 9148	59	76.7	77.9	31.7	26,500
HS-1 25-1 /400	124	47.0	47.4	16.5	26,500
Dell DHC-4	77	95.6	72.6	31.8	28,500
Breguet FAL-20	107	53.5	56.3	17.4	28,660

	Appch	Wing	• .•	Tail	Maximum
A	Speed	Span (Book)	Length	Height	TOGW
<u>Aircraft</u>	(Knots)	(Feet)	(Feet)	(Feet)	(Lbs)
GAC-100	86	70.0	67.3	24.9	28,900
Canadair CL-600	125	61.8	68.4	20.7	32,500
Gulfstream I	113	78.5	64.0	22.8	35,100
Yakovlev YAK-40	128*	82.2	66.8	55.8	35,275
Casa C-207A Azor	102	91.2	68.4	25.4	36,400
Ilyushin IL-12	78	104.0	70.0	30.5	38,000
Breguet FAL-50	113	61.9	60.8	22.9	38,480
Convair 240	107	91.8	74.7	26.9	41,790
Fairchild F-27	109	95.2	77.2	27.5	42,000
HP Herald	88	94.7	75.5	24.1	43,000
Dell Dash 7	83	93.0	80.7	26.2	44,000
Fokker VFW-614	111	70.5	67.5	25.6	44,000
Lockheed 1329-25	132	54.4	60.4	20.4	44,500
Martin-404	9 8	93.3	74.6	28.7	44,900
Fokker F-27	102	95.2	82.2	27.6	45,000
Fairchild FH-227	105	95.1	83.0	27.5	45,500
Hindustani-748	94	98.5	67.0	24.8	46,500
HS-748 Andover	. 94	98.5	67.0	24.8	46,500
Convair 340	104	105.6	79.2	28.2	47,000
Antonov AN-24	119	95.8	77.2	27.3	48,060
Convair 440	106	105.3	79.2	28.2	49,100
DeH DHC-5	91	96.0	79. 0	28.7	49,200
HS-748 Andover C	100	98.2	78.0	30.1	50,000
Antonov AN-30	112	96.4	80.1	27.3	51,040
Antonov AN-26	121	95.8	78.1	28.1	52,920
Nihon YS-11	98	105.0	86.3	29.5	54,010
Convair 580	107	105.3	81.5	29.1	54,600
Aeritalia G-222	10 9	94.5	79.2	38.5	58,422
Fairchild C-123	88	110.0	75.8	34.1	60,000
Antonov AN-72	89*	84.8	87.1	27.0	63,935
Fokker F-28-1000	119	77.4	89.9	27.8	65,000
Fokker F-28-2000	119	77.4	97.1	27.8	65,000
Gulfstream II	141	68.8	79.9	24.5	65,500
Gulfstream II-TT	142	71.7	79.9	24.5	66,000
Gulfstream III	136	77.8	82.7	23.2	68,700
Fokker F-28-6000	113	82.3	97.1	27.8	70,800
Fokker F-28-3000	121	82.3	89.9 .	27.8	71,000
Fokker F-28-4000	121	82.3	97.1	27.8	71,000
Vickers VC-2	122	94.0	85.7	26.9	72,500
MDC-DC-4	95	117.5	93.8	27.9	73,200
Fairchild C-119	122	109.2	86.5	26.2	74,400
BAC-111-200	129	88.5	93.5	24.5	79,000
Tupolev TU-124	132*	83.8	100.3	50.0	83,775
Lockheed 400	121*	119.7	97.8	38.0	84,000
Mai-Qs tol	85	100.3	98.4	32.8	85,300
Rawasaki C-l	118*	100.4	95.1	32.9	85,320
RS-146	117	86.5	93.1	28.3	87,500
BAC-111-300	128	88.5	93.5	24.5	88 ,500
BAC-111-400	137	88.6	93.5	24.6	88,500
MDC-DC-9-10/15	134	89.4	104.4	27.5	90,700

· .	Appch Speed	Wing Span	Length	Tail Height	Maximum TOGW
Aircraft	(Knots)	(Feet)	(Feet)	(Feet)	(Lbs)
AW-650 Argosy	123	115.0	89.8	29.3	93,000
Breguet 1150	130*	119.1	104.2	37.2	95,900
AW-660 Argosy	113	115.0	89.1	27.0	97,000
MDC-DC-9-20	124	93.5	104.4	27.5	98,000
BAC-111-475	135	93.5	93.5	24.5	98,500
Tupolev TU-134	144	95.2	121.7	30.0	103,600
BAC-111-500	144	93.5	107.0	24.5	104,500
Lockheed 749	93	123.0	95.2	22.4	107,000
MDC-DC-6A/B	108	117.5	106.7	28.7	107,000
Transall C-160	124	131.3	106.3	40.6	112,435
MDC-DC-9-40	129	93.5	125.7	28.6	114,000
SUD-210 Caravelle	127	112.5	105.0	28.6	114,640
Yakovlev YAK-42	128*.	114.8	114.8	50.0	114,640
Boeing 737	137	93.0	94.0	37.2	116,000
Lockheed 188	123	99.0	104.5	32.8	116,000
MDC-DC-9-30	127	93.5	119.4	27.5	121,000
MDC-DC-9-50	132	93.5	133.5	28.6	121,000
Antonov AN-10	126	124.8	121.4	32.2	121,500
Antonov AN-12	127	124.8	109.0	34.6	134,480
Lockheed P-3	134	99.7	116.8	33.7	135,000
DeH Trident 121-2	137	95.0	114.8	27.0	135,500
MDC-DC-9-80	132	107.9	147.9	30.2	140,000
Ilyushin IL-18	103	122.7	117.8	33.3	141,100
Lockheed 1049	. 113	123.0	113.3	24.8	142,100
MDC-DC-7	110	127.5	112.3	31.8	143,000
DeH Trident 121-2E	138	98.0	114.8	27.0	144,000
Boeing 377	105	141.3	110.3	38.3	145,800
Vickers Vanguard	119	118.6	122.9	35.0	146,500
MDC-DC-9-82	135	107.9	147.9	29.6	147,000
Breguet 200	117	104.8	134.4	37.3	154,323
Lockheed 100-30	129	132.6	112.7	38.4	155,000
Lockheed 100-20	137	132.6	106.1	38.4	155,800
DeH Trident 121-3	143	98.0	131.2	· 28.3	158,000
DeH Trident 121-3B	146	98.0	131.2	28.3	158,000
Lockheed 1649	89 .	150.0	116.2	24.8	160,000
DeH Comet 4C	108	114.9	118.0	29.5	162,000
Boeing 727-100	125	107.9	133.2	34.3	170,000
Lockheed SR-71	180	55.6	112.4	18.5	170,000
HS-Nimrod Mk2	125*	114.8	126.7	29.7	177,500
Bristol Brittania	117	142.2	124.2	37.5	185,000
Convair 880	155	120.0	129.3	36.3	193,000
Tupolev TU-154	145	123.4	157.5	37.4	198,450
Boeing 727-200	138	107.9	153.2	34.9	210,000
Canadair CL-44	123	142.3	136.8	38.6	210,500
Boeing 757	135	124.5	154.6	44.5	220,000
Boeing 720	133	130.8	136.7	41.5	230,000
Shorts Belfast	126	158.9	136.4	47.0	230,000
Boeing 720B	137	130.8	136.7	41.2	235,000
Boeing YC-14	89	129.0	131.7	48.3	237,000
Convair 990	156	120.0	139.2	39.5	253,000

	Appch Speed	Wing Span	Length	Tail Height	Maximum TOGW
Aircraft	(Knots)	(Feet)	(Feet)	(Feet)	(Lbs)
Boeing 707-100	139	130.8	145.1	41.7	258,000
Boeing 707-200	145	130.8	145.1	41.7	258,000
MDC-DC-8-10/20	131	142.4	150.5	42.3	276,000
A-310 Airbus	125	144.0	154.9	51.9	288,000
Lockheed 1011-600	140*	142.8	141.0	53.0	297,000
Boeing 767	130	156.3	159.1	52.0	300,000
MDC-C-133	128	179.7	157.5	48.3	300,000
Vickers VC-10-1100	128	146.2	158.7	39.5	312,000
MDC-DC-8-30/40	133	142.4	150.5	42.3	315,000
Boeing 707-320	139	145.5	152.9	42.2	316,000
Boeing 707-420	132	145.5	152.9	42.2	316,000
Boeing E-3	137	145.9	153.0	42.0	325,000
Lockheed C-141A	129	160.1	145.0	39.3	325,000
Lockheed C-141B	129	160.1	168.2	39.3	325,000
MDC-DC-8-50	137	142.4	150.5	42.3	325,000
MDC-DC-8-61	142	142.4	187.4	42.3	328,000
Vickers VC-10-1150	138	146.2	171.7	39.5	335,100
Boeing 707-320B	136	145.5	152.9	42.2	336,000
MDC-DC-8-62	124	148.4	157.4	42.3	350,000
MDC-DC-8-63	147	148.4	187.4	42.3	355,000
Ilyushin IL-62	152	142.0	174.3	40.7	357,000
Lockheed 1011-400	144	157.4	164.3	55.3	374,500
Ilyushin IL-76	119	165.7	152.8	48.4	374,790
Tupolev TU-114	132* 145	167.7	189.0	50.0	376 ,99 0
Boeing 777		155.0 136.7	181.5	44.8 33.6	380,000
Rockwell B-1 Tupolev TU-144	165 * 178	94.8	150.3 215.5	42.2	389,800 396,830
Concorde	162	83.8	203.8	40.0	408,000
Ilyushin IL-86	141	158.6	191.9	51.5	414,470
A-300 Airbus	132	147.1	175.9	54.2	429,900
Lockheed 1011-1	138	155.3	177.7	55.3	430,000
MDC-DC-10-10	138	155.3	182.4	58.1	455,000
Lockheed 1011-100	140	155.3	177.7	55.3	466,000
Lockheed 1011-200	140	155.3	177.7	55.3	466,000
Boeing B-52	141*	185.0	157.6	40.8	488,000
Lockheed 1011-250	144	155.3	177.7	55.3	496,000
Lockheed 1011-500	148	164.3	164.3	55.3	504,000
Antonov AN-22	140*	211.3	189.6	41.2	551,160
MDC-DC-10-30/40	151	165.4	182.4	58.1	580,000
Boeing 747-SR	141	195.7	231.8	65.5	603,000
Boeing 747-SP	140	195.7	184.7	65.8	686,000
Lockheed C-5A	135	222.8	247.8	65.1	769,000
Boeing E-4	152	195.7	231.8	64.7	830,000
Boeing 747	152	195.7	231.8	64.7	830,000

^{*}Approach speeds estimated.